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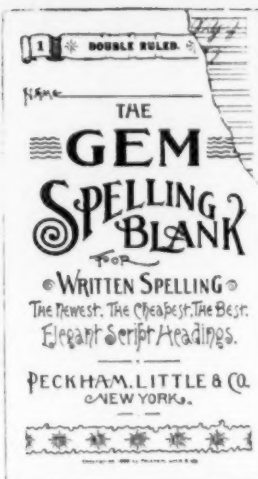
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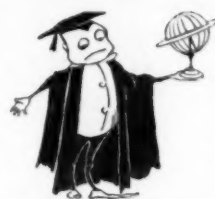
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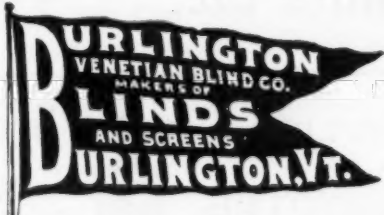
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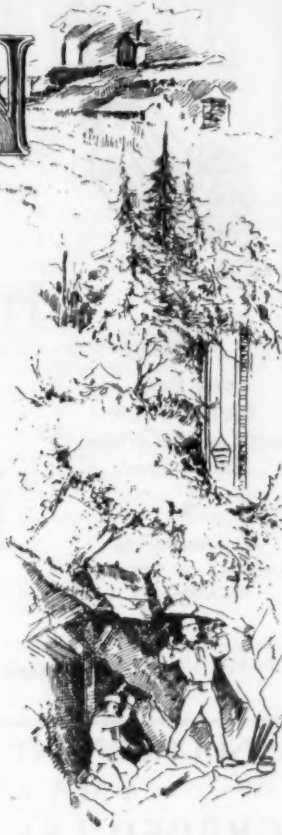
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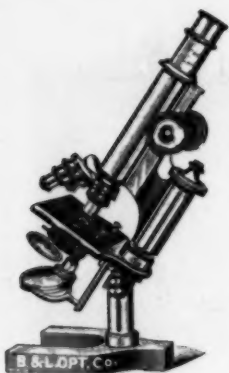
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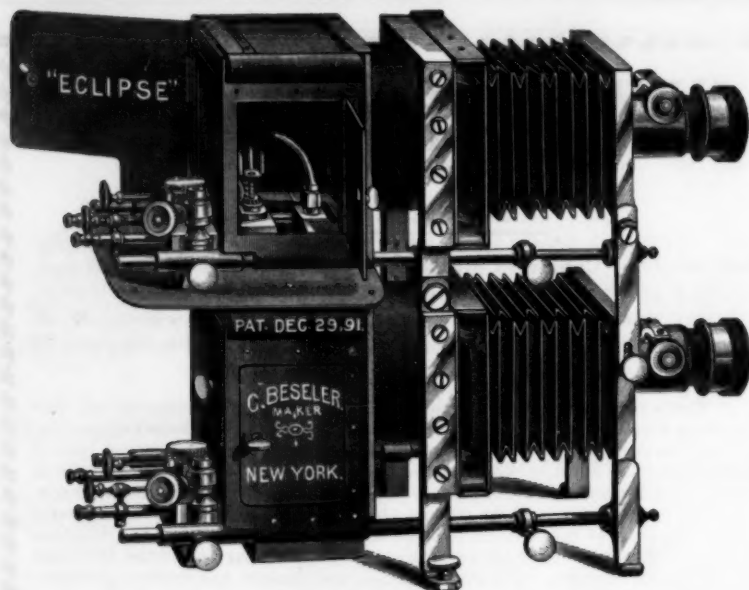
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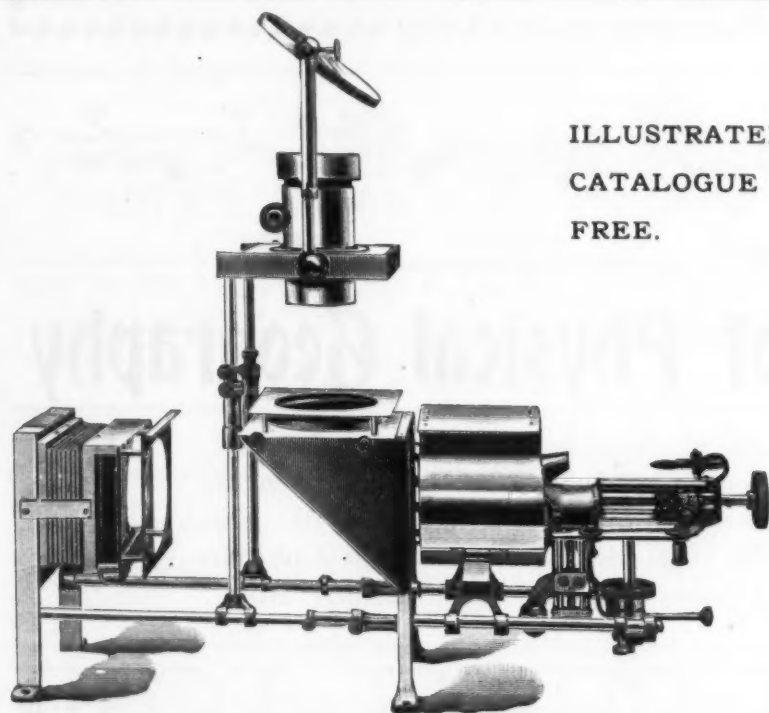
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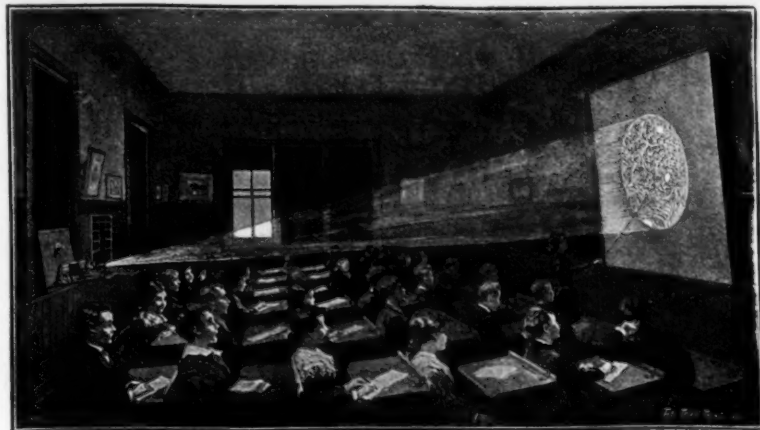
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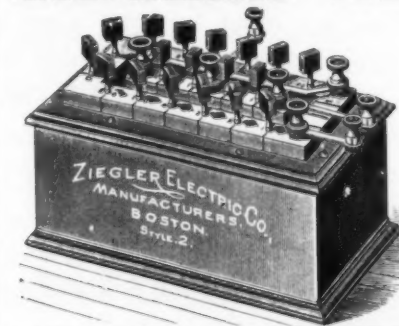
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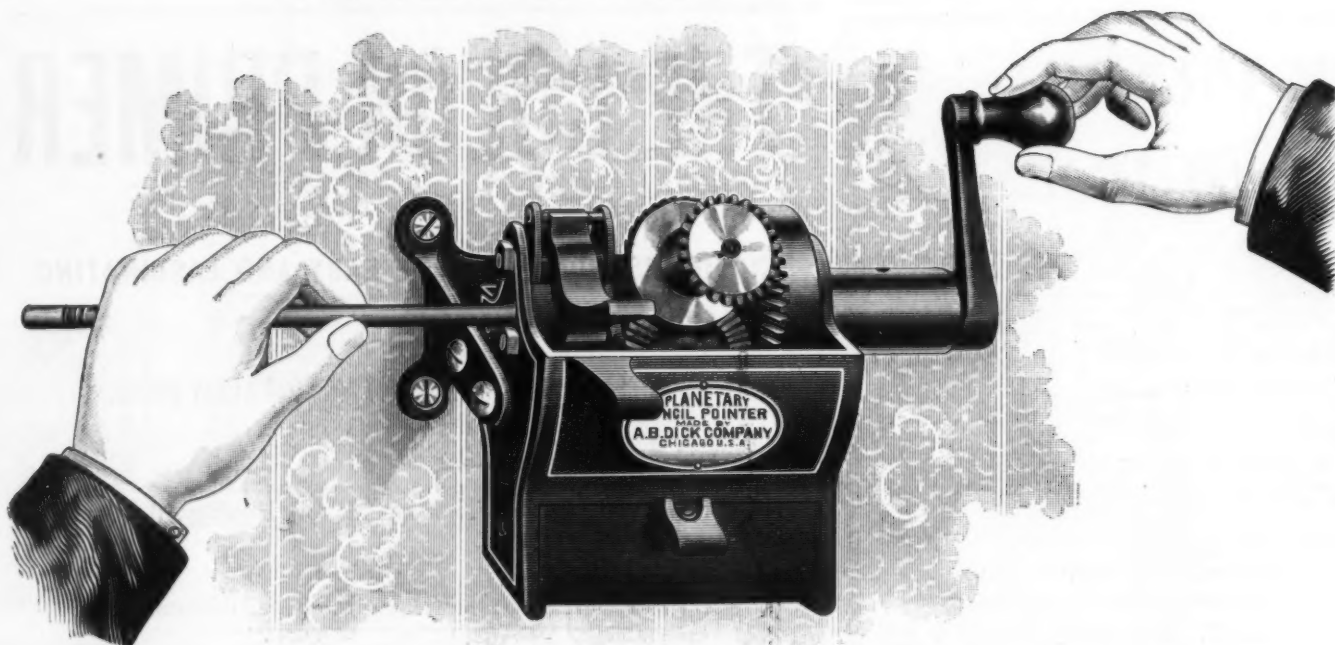
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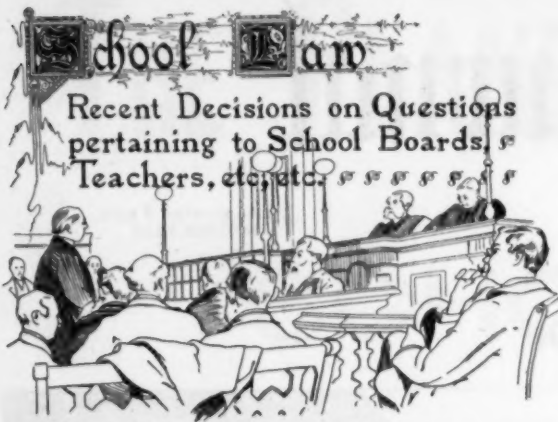
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THEY GATHER TO PREPARE A WELCOME.

The Citizens of Washington unite in proclaiming their hospitality and in opening the gates of America's Capitol to the National Educational Association, July 7 to 12, 1898.



School Law

Recent Decisions on Questions pertaining to School Boards, Teachers, etc., etc.

Public Schools—Establishment and School Funds.

Const., art. 11, §§ 2-6, provide that the legislature shall provide for a uniform system of common schools, by which a school shall be established and maintained in each school district six months in each year; that the proceeds derived from designated sources are "pledged for educational purposes, and shall not be transferred to any other fund for other uses, and shall be, from time to time, apportioned among the counties;" that the legislature shall provide for the investment of all proceeds derived from said sources in certain kinds of bonds; that the interest only "shall be used for educational purposes, and any surplus shall be added to the principal sum, provided that such portion of said interest as may be necessary may be appropriated for the support of the state university;" that the legislature shall establish such university, and may establish normal schools and such different grades of schools, from the primary department to the state university, as it deems necessary; and that it shall provide a special tax, not exceeding two mills, in addition to the other means provided for the support of said university and common schools. *Held*, that no part of the general school fund can be appropriated to pay teachers at the state orphan's home, and St. 1897, in so far as it attempts such appropriation is void.—*State v. Westerfield* (Nev.).

Creation and Alteration of Districts.

Where a school district is divided, by the organization of a city or incorporated town or village situated within said district, into a special school district, under the provision of chapter 62 of the Laws of 1890, the board of arbitration provided for by said chapter to equalize the interests of said districts must take into consideration the school building owned by the original district, and adjust the rights of the respective districts concerning the same.—*State v. School District No. 21* (N. D.).

Upon the division of a school district, the new district is not only required to compensate the old for its share of real estate acquired by the division, but it is also entitled to compensation for any of the school property located in the old district.—*In re Darby and Collingdale School Districts* (Com. Pl.) 19 Pa. Co. Ct.

Government and Officers.

The treasurer of Woodlawn cannot question the authority of the board of education in directing the application of school funds, in view of Acts 1892-93 providing that the school funds of the city of Woodlawn shall be disbursed as the board of education may direct.—*Somerville v. Wood* (Ala.).

While a township board of education has exclusive control within its jurisdiction, in the selection of a school-house site and in the size and character of the building to be erected thereon, yet where such board, without any valid reason or necessity therefor, is about to expend the public funds in taking down a suitable and satisfactory school building on a central and improved lot, and re-erect it at another place in the district, a court of equity may properly enjoin the same, as an abuse of discretion and authority.—*Watkins v. Hall*, 13 Ohio.

District Property and Contracts.

A bid for school-house furnishing made under Rev. St. 3988, separately stating the labor and

material in the bill, with the price of each, as required by the statute, but containing the following provision: "The above proposal includes labor and material, and is given with the understanding that it is to be accepted only as a whole," is not in compliance with the statute as the board of education is thereby precluded from accepting part and rejecting part, as the statute provides it may do.—*State v. Board of Education*, (Com. Pl.) Ohio.

Such a defect in the bid is a material one, which the board has no right to waive.—*State v. Board of Education*, (Com. Pl.) Ohio.

New Rules and Regulations.

New York, N. Y. The following is a paragraph in a resolution adopted by the board of education regarding teachers' certificates: The merit of the candidate shall be determined by a written examination in the special branches pertaining to the subjects of instruction which the applicant will be required to teach in general culture, and the use of the English language and grammar shall be considered in determining the value of the applicant's report.

Chicago. The board of education has adopted a resolution which, after reciting that the board of education is a creature of the State Legislature, and must in all matters obey the act creating it; that it is the duty of the board to prescribe to its executive officers their duties, and obligate them not to delegate such functions to others, the resolution reads: "That this board will not be responsible for any fixtures, furniture or apparatus, purchased or assumed to be purchased for school purposes, and including musical instruments, unless such fixtures, furniture, or apparatus are purchased by order of this board, made at its regular or special meetings. And that no rule or regulation for the government or maintenance of the schools of this city or for the enforcement of rules concerning their operation not passed by this board at its regular or special meetings shall have any force or effect whatsoever."

Milwaukee. The new rules adopted by the board governing the cooking schools do not require the teachers and pupils to wear caps when culinary instruction is being given as was formerly the custom. The reason assigned for this is that it would be putting parents to too great an expense to make such a requirement.

Laramie, Wyo. The practice of pupils in the fire drill in order to prevent accidents from the alarm of fire, has been given considerable attention.

Reading, Pa. The school board has issued an order prohibiting scholars from making presents to their teachers, involving the outlay of money.

The school board of an Iowa town has formally decided upon a policy of suspending from the schools pupils caught carrying revolvers or other weapons.

Detroit, Mich. School Inspector Hall has introduced in the board a resolution to give children under seven years only a half day's schooling.

Minneapolis, Minn. At the request of the Minneapolis Humane Society placards bearing this stanza will be hung in the rooms of the different schools:

"A man of kindness to his beast is kind,
But brutal actions show a brutal mind.
Remember, He who made thee made the brute,
Who gave thee speech and reason formed him mute;
He can't complain, but God's all-seeing eye
Beholds thy cruelty and hears his cry.
He was designed thy servant, not thy drudge;
Remember, his creator is thy judge."

Springfield, O. School pencils are to be booked every night to prevent spread of epidemic of disease.

New Haven, Conn. The superintendent of schools, Calvin H. Kendall, has taken steps to protect the children in the public schools from the various contagious diseases. A fumigating arrangement is to be provided in all the schools where the school books can be placed and the germs of disease destroyed.

Baltimore, Md. Health Commissioner McShane has sent a communication to the school board

recommending a different system than the one in vogue of collecting the pens and pencils at the close of school each day and redistributing them the next day.

The commissioner says the children place the pencils in their mouths, and disease is thus communicated from child to child by the indiscriminate use of pens and pencils. He has recommended that each child use the same pencil every day, and that all the pen holders and pencils be sterilized.

Detroit. Of late years a system has been established of encouraging school children to help their needy fellows by taking a clothing and food donation to school the day before Thanksgiving.

Sacramento, Cal. The Regents of the State University recently decided that high school pupils must have a two years course of instruction in free-hand and architectural drawing before being accredited at the engineering colleges of the state institution.

Philadelphia, Pa. The board of education has appointed thirty officers to search out and bring in truants from the public schools.

Nashville, Ill. The board of education has decided that foot-ball must go and ordered the high school team to disband.

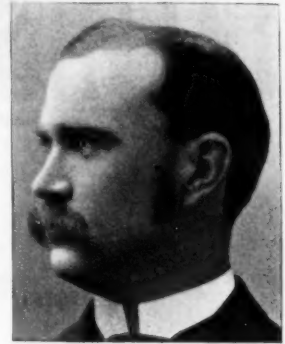
Philadelphia. A rule of the board, established many years ago, prohibits the collecting from the pupils attending the public school for any purpose.

Baltimore, Md. A new rule provides that when a vacancy in a teacher's position occurs, the instructors of a lower grade shall be moved up one step, and the last position in the line shall be filled either by a new appointment or by transfer.

Philadelphia. The Association of School Board Officers has adopted a series of resolutions expressive of its disapproval of the system of half time which has been adopted in the public schools because of the alleged lack of room for all the pupils, and pledging its efforts to bring about the speedy end of this system.

Orange, N. J. A rule promulgated by the board of education says: "The female teachers must remove their bicycle skirts while teaching their classes."

Toledo, O. The matter of preventing teachers from punishing scholars by detaining them after school hours was referred to the superintendent with power to act.



L. W. CHERRY,
President of School Directors,
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Driving It In.

SCHOOL COMMISSIONER: "Why do you whip your scholars so outrageously?"

TEACHER: "Well, I understand we have a compulsory education law now."

WASHINGTON ACTIVE.

THE ARRANGEMENTS FOR ENTERTAINING THE NATIONAL EDUCATIONAL ASSOCIATION NEXT JULY AT WASHINGTON, D. C., WELL UNDER WAY.

The citizens of Washington have a full set of committees under splendid organization, actively engaged in making all preparations for the reception of a large gathering. The best people of the capital are directing the affairs, and the interest is growing warmer from day to day. Dr. B. L. Whitman, president of the Columbian University, has been chosen chairman of the Executive Committee, while Col. Henry F. Blount is at the head of the general committee.

The Secretary, upon whom devolves the bulk of the labor, and upon whose tact, judgment and skill depends so much, has been chosen with discriminating care. Arthur A. O'Neill is the man. He served for some time as secretary of the Board of Taade. The local N. E. A. committee saw clearly that an efficient man would have to be selected, and Mr. O'Neill easily became first choice. He possesses the necessary qualifications as the thousands of visitors will have occasion to learn.

The Educational Exhibits will be in charge of Mrs. Sara A. Spencer, whose executive ability and business tact is recognized by those who know her. She is at the head of the Spencerian Business College at Washington, and is noted as a business educator.

Supt. W. B. Powell, whose reputation as an educator is national, will have charge of the Halls and Meeting Places. No better man could have been chosen.

The local organization having charge of arrangements is made up of the following named:

General Committee:—Henry F. Blount, president; Charles J. Bell, treasurer; Arthur A. O'Neill, secretary.

Executive Committee:—Rev. B. L. Whitman, D. D., chairman; Archibald Greenlees, Thomas W. Smith, George H. Harries, William B. Powell, S. W. Woodward, John Joy Edson, Beriah Wilkins, James W. Whelpley, Edward M. Gallaudet, Ph.D., LL.D., Ellis Spear, Rev. J. Havens Richards, Mrs. Sara A. Spencer, Albert M. Read, Marcus Baker, A. T. Stuart, Bernard T. Janney, S. B. Hege, Colin Studds, L. S. Brown, Miss Anna Tolman Smith, George M. Bond, J. H. N. Waring, H. P. Montgomery, Raymond A. Pearson, and Percy S. Foster.

Finance Committee:—Thomas W. Smith, Chairman; S. W. Woodward, Frederic L. Moore, Isadore

Saks, Ellis Spear, Mrs. Sara A. Spencer, Charles G. Dulin, S. B. Hege, A. T. Stuart, James W. Somerville, James W. Whelpley, Dr. F. R. Lane, Jesse H. Wilson, George M. Bond, L. S. Brown, G. F. T. Cook, Rev. H. T. Stevenson, John T. Freemant, Bernard T. Janney, Ellis W. Brown, J. G. Falek, Miss Lucy E. Moten, Mrs. Mary C. Terrell, Colin Studds, Charles E. Howe, Miss H. M. Reynolds.

Transportation Committee:—Archibald Greenlees, Chairman; S. B. Hege, Albert M. Read, L. S. Brown, Levi Woodbury, John Callahan, George M. Bond, E. G. Lockwood, George H. Rhodes.

Mrs. I. G. Myers, Miss Lucy E. Moten, J. R. Keene, Mrs. S. E. W. Fuller, J. H. N. Waring, Miss Annie Scammell, Ellis W. Brown, Miss E. S. Jacobs, G. S. Clark, Mrs. M. W. Cate, A. T. Stuart, J. A. Chamberlain, Isaac Fairbruther, Mrs. Sara A. Spencer, James H. Hill, Miss C. E. Syphax, W. S. Montgomery.

Local Chairmen of Sections:—National Council, G. S. Clark, Dennison School; Kindergarten, B. Pickman Mann, Patent Office; Elementary, Miss E. A. Denny, Franklin School; Secondary, Dr. F. R. Lane, Central High School; Higher, Rev. B. L. Whitman, D.D., Pres. Columbian University; Normal, Mrs. Ida G. Meyers, Franklin School; Superintendence, N. P. Gage, Seaton School; Manual and Industrial, John Chamberlain, 626 O Street, N. W.;

Art, Mrs. S. E. W. Fuller, Franklin School; Music, Miss Annie E. Scammell, Franklin School; Business, Mrs. Sara A. Spencer, Spencerian Business College; Child Study, Miss Edith Westcott, Western High School; Physical Training, Miss Rebecca Stonerod, Webster School; Science, Marcus Baker, Geological Survey; School Administration, James W. Whelpley, American Security and Trust Co.; Library, W. B. Patterson, Gales School; Deaf, Blind and Feeble-minded, Alexander Graham Bell, 1331 Conn. Ave.

The local committee will raise from \$8,000 to \$10,000 to suitably entertain the great convention. The people who are making the arrangements are thoroughly imbued with the importance of the work in hand,

and the various interests, corporate and private, will contribute liberally towards raising the fund. Accommodations will be found for everybody at the most reasonable rates.

Washington has not had the National Educational Association since 1859, the third year after its organization. Zalmon Richards, the first president of the organization, is a resident of Washington.

The Association was organized in 1857 and has thus far held thirty-five meetings, as follows: Philadelphia 1857, 1879; Cincinnati, 1858; Washington, 1859; Buffalo, 1860, 1896; Chicago, 1863, 1887, 1893; Ogdensburg, 1864; Harrisburg, 1865; Indianapolis, 1866; Nashville, 1868, 1869; Trenton, 1869; Cleveland, 1870; St. Louis, 1871; Boston, 1872; Elmira, 1873; Detroit, 1874; Minneapolis, 1875; Baltimore, 1876; Louisville, 1877; Chautauqua, 1880; Atlanta, 1881; Saratoga, 1882, 1883, 1885, 1892; Madison, 1884; Topeka, 1886; San Francisco, 1888; St. Paul, 1890; Toronto, 1891; Asbury Park, 1894; Denver, 1895; Milwaukee, 1897. Those desiring information on hotel, railroad rates, etc., address A. O'Neill, Sec'y.



DR. B. L. WHITMAN,
Chairman Executive Committee.



ARTHUR O'NEILL,
Secretary Local N. E. A., Washington.



HENRY F. BLOUNT,
President General Committee.



PROF. W. B. POWELL,
Chm. Com. on Halls and Meeting Places.



MRS. SARAH A. SPENCER,
Chairman Educational Exhibits.



THOMAS W. SMITH,
Chairman Finance Committee.

THE LOCAL ORGANIZATION N. E. A., WASHINGTON, D. C.

Committee on Halls and Meeting Places:—Prof. William P. Powell, Chairman; Marcus Baker, C. S. Clark, Miss Anna Tolman Smith, Rev. T. S. Hamlin, D.D., Rev. Samuel S. Green, D.D., Rev. Frank Sewall, Rev. S. M. Newman, Rev. J. Bradford Leavitt.

Hotels and Public Comfort:—Raymond A. Pearson, Chairman; M. M. Shand, E. R. Levy, F. H. Hitchcock, Emory Wilson. (This committee has not yet been completed).

Committee on Printing:—George H. Harries, Chairman; John H. Small, Jr., Colin Studds, Percy S. Foster, Mrs. Mary C. Terrell.

Books and School Appliances:—Mrs. Sara A. Spencer, Chairman; Charles Lyman, S. W. Woodward, Brainard H. Warner and Henry Wells.

Committee on Music:—Percy S. Foster, Chairman. (Committee not yet appointed).

Membership Committee:—James W. Whelpley, Chairman; N. P. Gage, Bernard T. Hanney, Dr. F. R. Lane, W. B. Patterson, H. M. Johnson, John T. Freeman, Miss Edith C. Westcott, H. P. Montgomery,

AN IMPROVED SASH FOR SCHOOL ROOMS.

Great advances have been made in the past few years in improved appliances for use in modern school buildings. The matter of ventilation is of no small importance, and a sash that will afford increased ventilation as well as safety is worth the consideration of all school boards contemplating the erection of new school structures. Such a sash is the "Bolles Sliding and Revolving Sash." It is attracting a great deal of attention from architects and school boards, and bids fair to supersede the ordinary form of window.

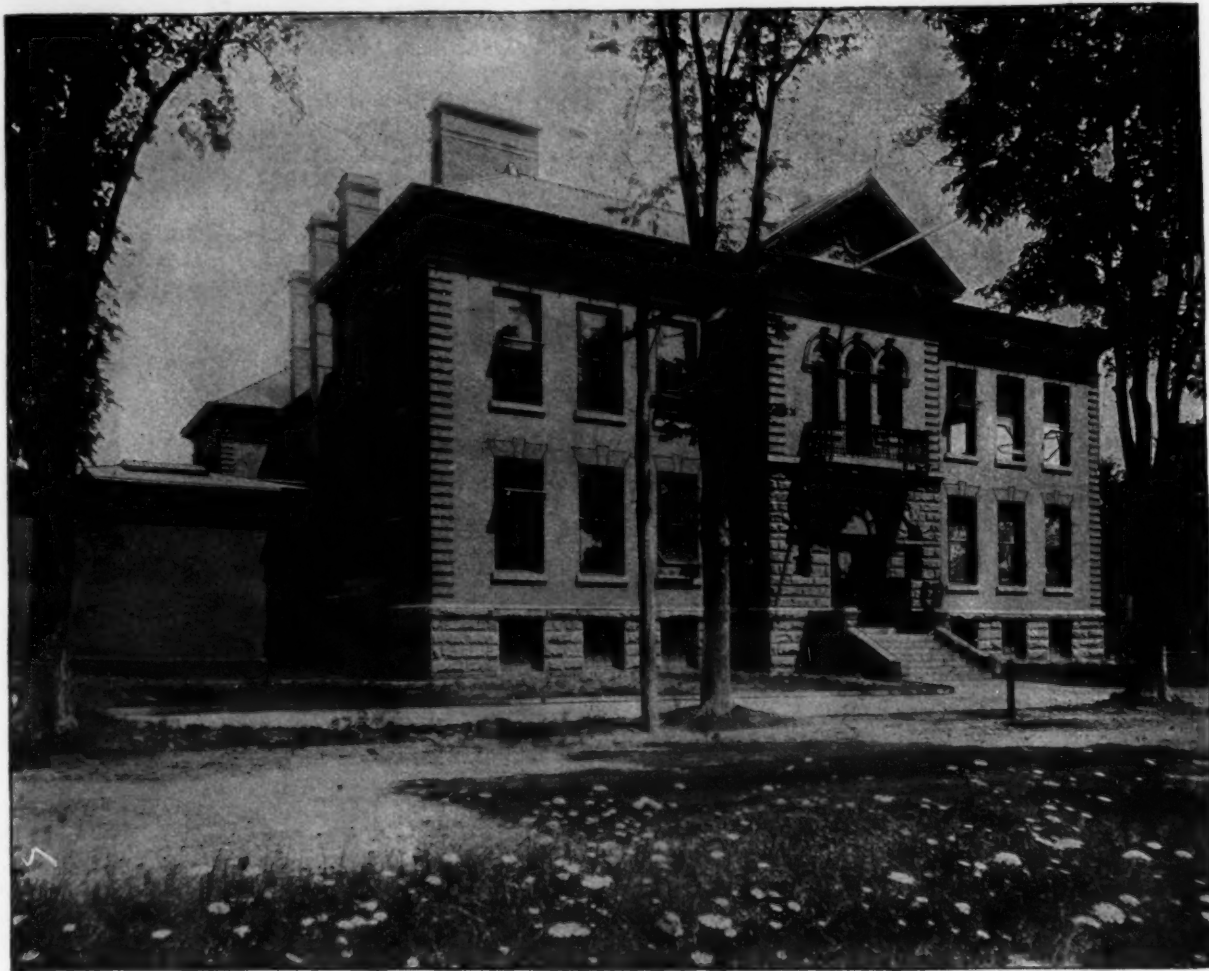
This window has been on the market for several years and has been tried, tested, and approved by many of the progressive architects throughout the country. Its ventilating feature makes it invaluable for use in school buildings, and is so appreciated by the various school boards that it is very generally adopted wherever brought to their notice.

In Greater New York many of the old buildings, and a large part of the projected buildings, are or are to be equipped with this sash. In appearance the "Bolles Sash" can hardly be distinguished from the old form of window, yet it slides and revolves; either or both sashes turn inside out or outside in, making the act of cleaning free from danger. The sash can be poised at any angle to afford ventilation without draft. If it is placed at a slight angle, ventilation is obtained while keeping out the rain. If the sash is placed at right angles with the frame, the benefit of the entire opening is gained for the free circulation of air. It is simple, durable, and economical. As the frames are the same as are used in ordinary windows, the sash in old buildings can be altered and equipped with the "Bolles Attachments." A picture of a new school building in New Haven, Conn., equipped with our sash, is shown herewith.

Further particulars can be obtained from the Bolles Revolving Sash Company, No. 150 Nassau St., New York City.

HEATING AND VENTILATING.

The American Boiler Co., Chicago and New York, has disposed of its entire business to the Pierce, Butler & Pierce Manufacturing Co., Syracuse. The company was organized five years ago, by a consolidation of the National Hot Water Heater Co., and the boiler departments of the Pierce, Butler & Pierce Manufacturing Co., and the Richardson & Boynton Co. For a time it also controlled the sales of Capitol and Bolton heaters. The organization grew out of the Boiler Manufacturers' Association, of 1892, and at once became the strongest element in the market. Of late all its boilers have been made at the fine new plant of the Pierce, Butler & Pierce Manufacturing Co., and now that company takes hold of the sales department as well. In the West its output will be handled by the new Kellogg-Mackay-Cameron Co., composed of well known officials of the late American Boiler Co. In the East the branch offices will be under the management of Messrs. Bassett, New York, Peterson, Philadelphia, and Gilling, Boston, all of whom have long and satisfactorily filled the same positions with the American Boiler Co. The line of boilers offered by the company comprises the well known Florida, Spence, Perfect, Florida Junior, Tropic, Soleil, Advance, American, and Little Giant.



THE ROGER SHERMAN SCHOOL, NEW HAVEN, CONN.

L. W. Robinson, Archt.

The Fuller & Warren Warming and Ventilating Co., of Chicago, has changed its secretary.

Amsterdam, N. Y. The Fourth ward school is equipped with the Fuller & Warren warming and ventilating system.

Creston, Ia. Repairs for the heating system furnished by the American Warming and Ventilating Co.

Saginaw, Mich. The B. F. Sturtevant Co. supplied the heating and ventilating apparatus for the Central school building.

Hoboken, N. J. The Peck-Williamson Heating and Ventilating Co. supplied the steam heating apparatus for public school No. 7.

Albany, N. Y. A bill pending before the legislature provides for the proper ventilation, sanitation, and protection against fire for school houses in cities and villages of over 5,000 inhabitants.

Saginaw, Mich. The Sturtevant Co. put the heating and ventilating apparatus in the new Central school building.

Mansfield, O. The West First street school building is equipped with a heating apparatus manufactured by the Fuller & Warren Warming & Ventilating Co.

Columbus, O. Contract for a new furnace in the East Main street school awarded to the Vogelgesang Furnace Co.

Detroit, Mich. Col. Isaac D. Smead, of Toledo, has been here inspecting the systems of school ventilation.

Chillicothe, O. The board of education has contracted with the Peck-Williamson Co., Cincinnati, O., for a heating apparatus for the Jackson avenue school building. Competition was sharp, there being twelve competitors for both warm air and steam.

The board of education of the Union free school district No. 1, Newton, L. I., have adopted the Peck-Williamson system of heating and ventilation in their new school building. Contract price is \$8,333.50.

Versailles, O., have just had a new heating system incorporated in their twelve-room school building. The plant was installed by the Peck-

Williamson Co., Cincinnati, O., during the Christmas holidays. The plant is giving excellent satisfaction.

In far off California the Peck-Williamson Co. received contract to heat the new school building at Santa Monica, the contract amounting to something over \$2,500.

Mr. Williamson, of the Peck-Williamson Co., has gone East. The company has so far made over fifty school house contracts this year. The prospects for this firm are very bright.

FLEXIFOLD COILING PARTITIONS.

Six coiling partitions of unusual size and novel construction have recently been placed in the school rooms connected with the Church of the Ascension, One Hundred and Seventh street, New York. The partitions are made to travel on overhead tracks with ball bearings, and when rolled back are concealed in pilasters at sides of rooms.

These large partitions have also been in use for several years in the vestry of Fourth Presbyterian Church, New York, as well as many other modern churches, and would seem to be a feature greatly to be desired in the construction of large assembly rooms and double parlors.

The entire width of the room is left free when the doors are open and when closed (what was apparently one large hall) is divided into separate apartments by handsome substantial doors as close fitting and as sound-proof as any doors can be, without the interference of posts or mullions usually required in rolling or lifting partitions.

The Hygienic Wardrobes made by the Flexible Door and Shutter Co. are closed with those Flexifold fronts and this system of cloak closets has already been made a feature of construction in many of the schools of Greater New York and vicinity as an economic and sanitary substitute for the usual cloak room. The principle is simplicity itself, and would seem to have an almost universal applicability to places where other systems of closure have hitherto been used. Full size models are on exhibition at No. 74, Fifth Ave., New York.

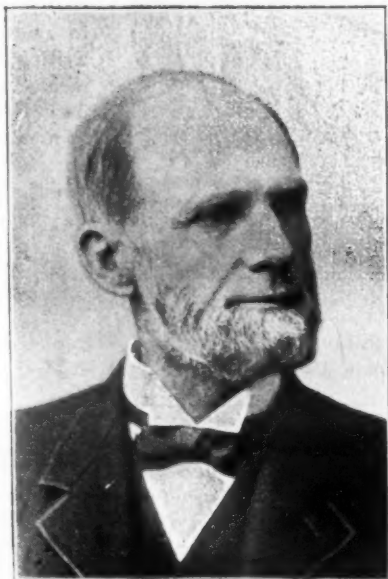
Pennsylvania School Directors' Third Convention.

MOST INTERESTING AND PRACTICAL YET HELD.

The third annual convention of the Pennsylvania State Association of School Directors was held at Harrisburg, February 9 and 10. The object of the association and its conventions are: The discussion of questions relating to the management of the public schools; the advocacy of needed legislation for schools, and the scrutiny of proposed legislation; and the promotion of efforts to increase the efficiency of the public schools of the state.

The requirements for membership are as follows: "It shall be composed of delegates from the boards of education of Philadelphia, Pittsburg, and Allegheny City, from organized county associations of school directors, from organized associations of school directors in cities and boroughs having separated teachers' institutes; with the state, county, city, borough and township superintendents as advisory members. Each board and association shall be entitled to five representatives, and shall notify the corresponding secretary of their names and addresses."

Hon. J. P. Elkin, the president, called the convention to order at 2:30 o'clock and proceeded to deliver his annual address, in which he reviewed the gradual increase of the appropriation to common schools,



L. O. FOOSE,
Superintendent of Schools, Harrisburg, Pa.

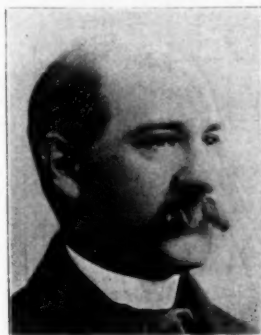
which, prior to the adoption of the new Constitution, was about \$750,000 annually, and at the present time, for all educational work, is \$6,364,000 annually. Since 1891 the state has set aside \$36,000,000 for school purposes, Pennsylvania standing at the head of the list in the amount appropriated for the maintenance and support of schools.

Mr. Elkin submitted a valuable table showing the total revenues of each of 34 States, the amount appropriated for schools, and the percentage of revenues appropriated by each for schools. From the statistics given Pennsylvania gives almost \$2,000,000 a year more for educational purposes than New York, although the latter state has about three times as much revenue as the former. New York gives 15 per cent of her revenues to the schools, while Pennsylvania gives nearly 64 per cent.

For the support of education Pennsylvania appropriates twice as much as California, three times as much as Texas, four times as much as Ohio, five times as much as Missouri, nine times as much as Maine, ten times as much as Kansas, twenty times as much as Louisiana, thirty times as much as Florida, forty times as much as Washington, fifty times as much as Colorado, and one hundred times as much as Oregon.

At the conclusion of President Elkin's address, City Superintendent Foose, of Harrisburg, made an address of welcome. He referred, among other

things, to the fact that the common schools were established by the people, and that they ought not to depend too much upon the State for support. His thought was that interest decreases in proportion to the amount of support received from the State. H. H. Hubbert, of Philadelphia, responded in a practical address, speaking of the great importance of the legis-



HARVEY H. HUBBERT,
Member Board of Education,
Philadelphia, Pa.

lation enacted during the past three years in the State, particularly the law relating to compulsory education, and the beneficial effects already visible throughout the state, especially in the large cities. He warmly commended the State for its liberal appropriation for the support of the public schools, and would be glad to see the time come when the distribution of this appropriation would be made the moment it became due and payable.

"The Functions of the Office of School Director" was discussed by Deputy State Superintendent Henry Houck. Mr. Houck made an exceptionally strong and eloquent address. He reminded the directors of the large discretionary power given them by the laws of the State, and declared that directors could do more to keep boys out of jail than any other class of people in the commonwealth. While the office of school director is one of exacting duties and great responsibility, the speaker believed it would be degraded if a salary were attached to the position. He believed directors should be paid their expenses in attending the tri-ennial conventions to elect county superintendents, and the annual meetings of the county associations. The most important, as well as the most perplexing, duty connected with the office of school director, is the selection of teachers. Teachers known to be incompetent or inefficient should never be employed.

In congratulating the state upon the munificent appropriation made for the maintenance of the schools, he believed it would be a great calamity should the day ever come when the schools would be run by state aid alone.

D. F. Fortney, Esq., of Belefonte, read a paper on the subject, "Are School Teachers Selected with Regard to Their Competency and Efficiency?"

The speaker declared that one of the greatest hindrances to the more rapid progress of the schools was the fact that teachers are not selected with



J. ELDER PEELOR,
Corresponding Secretary,
Indiana, Pa.

reference to their competency and efficiency. In too many districts the directors seem to think that the schools are conducted for the benefit of the taxpayers instead of for the children. Some boards pass resolutions to employ only teachers residing in their own districts, regardless of qualifications. Incompetent teachers secure employment because

they have relatives on the board. The speaker knew of a district in which every director had a son or daughter teaching in the district.

Unwillingness to pay sufficient wages stands in the way of securing the best teachers in many districts. Directors are sometimes deceived by recommendations and testimonials of teachers. Some boards choose their teachers like the old Romans selected their wives—"shut their eyes and grab as many as they want." If directors do their duty they can secure competent and efficient teachers.

Mr. Vance, of Allegheny; Dr. Jeffries, of Chester; Mr. Chandler, of Lancaster; Mrs. Mumford, of Philadelphia, and others discussed the topics.

Committees on resolutions, nominations, and transportation were appointed, whereupon the convention adjourned to meet again in the evening.

EVENING SESSION.

President Elkin called the association to order at 7:30 o'clock and introduced Chancellor W. J. Holland, of the Western University of Pennsylvania, who delivered an excellent address on "The Relation of the Public School to the College."

The speaker characterized the relation of the public school to the college in a scheme of liberal education is that of foundation and superstructure. He plead for more thoroughness in the work of the public schools. Teach forever subjects and teach them more thoroughly. Especially is there great need for more attention to the teaching of English in the public and preparatory schools. Applicants for admission to college are more deficient in this department of work than any other in which they are examined. Mr. Holland believed that one reason why so few young people are seeking a liberal education is because the course of preliminary training has been so extended as to make it impracticable for many young people to enter college at a reasonable age. As the course of study is now arranged a young man taking a thorough course for professional life can not begin the practice of his profession until he is 28 or 30 years of age.

"What Reforms are Needed to Insure an Earlier Distribution of the State Fund?" was next taken up for discussion, and was discussed by William George, Jr., of Philadelphia; E. A. Weaver, Esq., of Gettysburg; and Hon. J. P. Elkins.

MORNING SESSION.

The first period of the morning was taken up in discussion of the subject, "Hygienic and Sanitary Safeguards of the School House." It was opened by Dr. F. R. Brunner, who was followed by Prof. John P. Jackson, of State College, Dr. N. Bert Lowman, and others.

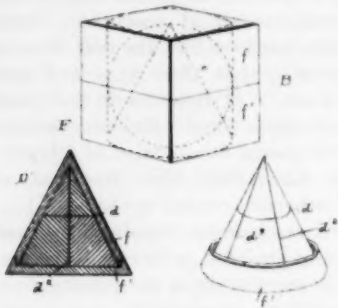
A number of questions relating to points of school law and other matters connected with school work were answered by Superintendent Schaeffer and other members of the association.

The committee on resolutions reported as follows: Endorsing the compulsory school law and the extension of its provisions by the last legislature favoring the establishment of township high schools; commending the action of Governor Hastings in re-appointing Dr. Schaeffer Superintendent of Public Instruction; recommending the passage of a law requiring districts to raise as much money for the support of the schools as they can get from the state.

These officers were elected for the ensuing year: President, H. H. Hubbert, Philadelphia; vice presidents, Hugh B. Eastbourn, Doylestown, Bucks county; Dr. D. W. Jeffries, Chester City, Delaware county; D. T. Fortney, Bellefonte, Centre county; recording secretary, F. B. Wicksham, Steelton, Dauphin county; corresponding secretary, J. Elder Peelor, Indiana, Indiana county; treasurer, H. H. Rice, Waltonville, Dauphin county; executive committee, I. A. Cleaver, Berwin, Chester county; H. H. Quimby, Mt. Clair, Montgomery county; Silas Wright, Reward, Perry county; J. Draper Huddell, Linwood, Delaware county; Rev. E. I. Hassler, Keim, Sommerset county; legislative committee, Hon. John P. Elkin, Indiana, Indiana county; Wm. Field Shay, Watsonstown, Northumberland county; C. Brown, Bloomsburg, Columbia county; M. J. Phillips, Sullivan county; E. E. Adams, Lock Haven, Clinton county.

School Supply Inventions.

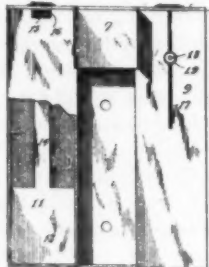
EDUCATIONAL APPLIANCE. Minnie M. Glidden, Brooklyn, N. Y.



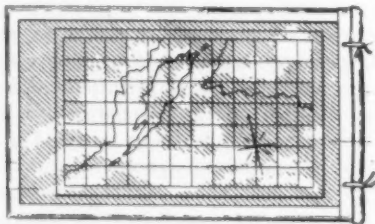
The herein-described set of devices for use in teaching the qualities or incidents of a mathematical form it consisting of a device of the desired form divided by axial planes into a series of separable elemental forms, another device of the same aggregate form divided by transverse planes into another series of separable elemental forms, another device of the same aggregate form divided by planes parallel to the planes of the exterior surface of the aggregate form, forming a series of separable divisions fitted one within the other and each of the same shape as the aggregate form and another device having the same aggregate form divided both by transverse planes and by a series of planes parallel to the planes bounding the aggregate form to provide another set of separable elemental forms, all of the said aggregate forms being the same size.

ATTACHMENT FOR SCHOOL DESKS. William Hummel, Burlington, Ia.

An attachment for school-desks comprising an ink-well receptacle and a pen and pencil receptacle, said receptacles being vertically disposed side by side and open at their upper ends, and said ink-well receptacle having an opening in its lower end, a cover movably connected to the attachment to close the open ends of both receptacles, and a pen and pencil supporter movable vertically within the pen and pencil receptacle.

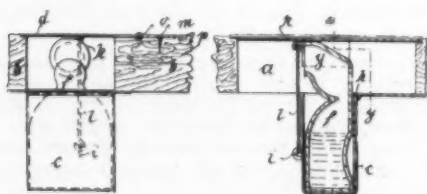


WATERPROOF ENVELOP FOR PROTECTING CHARTS, ETC. John C. Lee, Brookline, Mass.



A portable waterproof chart-case consisting of an envelop of rubber or similar material, the front of which is formed of flexible, non-breakable material such as celluloid or the like, and provided with an opening capable of being temporarily sealed to prevent the entrance of moisture, etc.

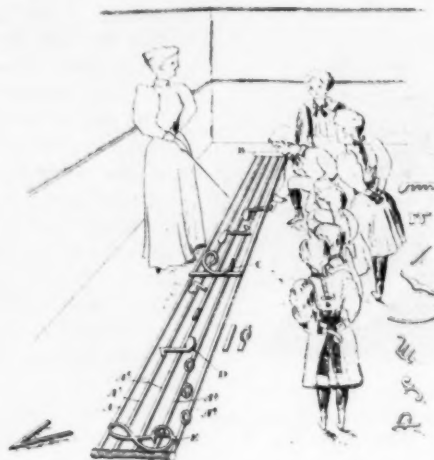
INK-POT FOR SCHOOL-DESKS. Ludwig Bohm, Berlin, Germany.



An ink-pot for school-desks having a body *f* and a laterally-arranged neck *g*, separated partially from said body by an indentation as specified, means for supporting said pot pivotally in the desk-well, a cover hinged to the said well and means for connect-

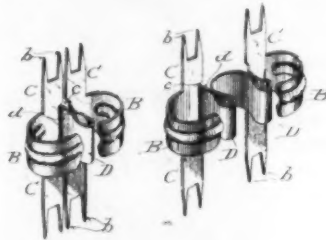
ing said pivoted ink-pot to the well-cover so as to throw the same into a horizontal position with the neck opening upward when the cover of the well is opened.

DEVICE FOR TEACHING MUSIC. Evelyn A. Fletcher, Toronto, Canada.



A game device for teaching music comprising a series of blocks representing the musical characters, and a pair of bars connected only by a series of flexible strips representing a music-scale, said bars being adapted to be laid upon a flat surface a distance apart to stretch said strips upon said surface with the surface as a background, when the device is in use said strips being also adapted to be wound around one or both of said bars when out of use.

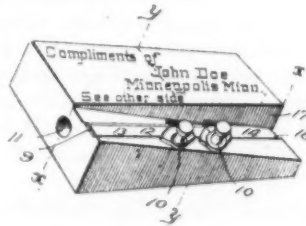
PENCIL-HOLDER. Olaf R. Pihl, Portland, Oregon.



A pencil-holder comprising arms *C C* provided with fastening devices; a loop *D* extending outwardly therefrom from the proximate edges of said arms, and formed with the opposite concave faces *d*; and curved arms *B* extending from the outer edges of the arms *C* around toward the central loop, the parts being formed integral.

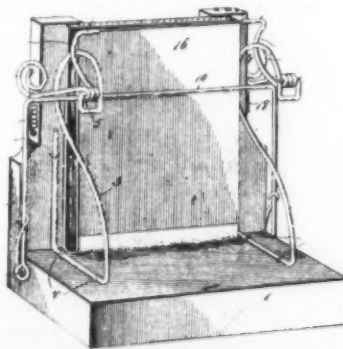
COMBINED PAPER-WEIGHT AND PENCIL SHARPENER. Gaylord W. Beebe, Minneapolis, Minn.

In a device of the class described, the combination, with the base provided with a depressed portion having an inclined upper surface, the tapering pencil-hole leading to said inclined surface, of the knife-blade, the ledge forming a guide therefor, the binding screw or screws, and the flange provided on said screw or screws, and extending over said blade.



BOOK-HOLDER. Asa C. Bisbee, Carsonville, Mich.

In a book-holder, the combination with the base and back against which the book rests, of a spring-actuated book closer, pivoted on the base to engage the front face of the book and hold the latter



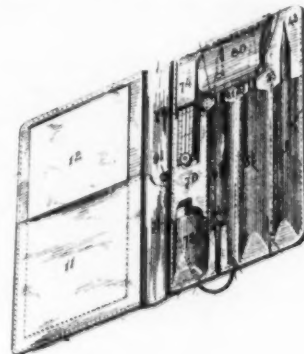
in a vertically-closed position, and a dog adapted to engage the book when the book-closer is lowered, and hold the book in a vertical position.

PENCIL-SHARPENER. Wilbur F. Garrett, Centreville, Iowa.



A pencil-sharpener, comprising a strip of metal coiled in volute form and sharpened as to one of its edges, the extremity of said strip at the end of the smallest coil being also sharpened to form a cutting-lip for acting on the point of the pencil when the direction of rotation of the sharpener is reversed, the rear end of the strip being deflected radially outward, a longitudinal extension at the rear portion of the strip extending forward and united to the adjacent coil, and one or more oblique feeding-spurs projecting inward from the sharpener.

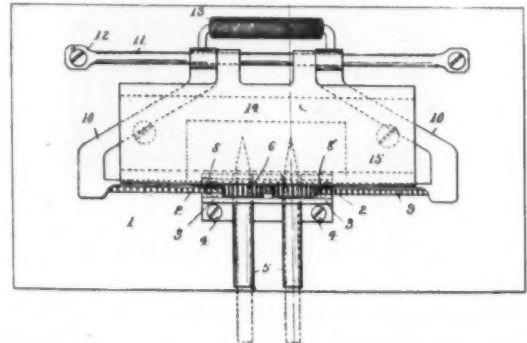
SCHOLAR'S COMPANION. Elizabeth K. Graham, Leavenworth, Kans.



In a case for writing implements, the combination of a cover composed of two folding leaves, a pocket therein adapted to receive a writing implement, and a flexible flap composed of absorbent material attached

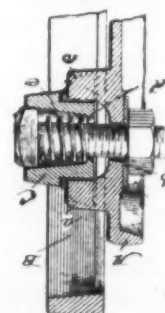
at one edge to said cover opposite the end of said pocket and adapted to fold over the point of the implement disposed in said pocket and serve as a protector therefor, and also as a pen-wiper.

PENCIL-SHARPENER. Charles S. Cole and John H. Kinsman, Bridgeport, Conn.



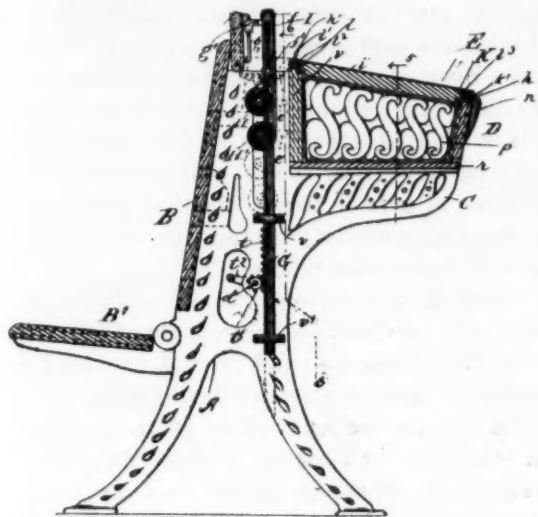
In a pencil-sharpener of the class described the combination with the base provided with a suitable way *8*, of a slide-rack *9*, mounted therein, uprights secured to said rack, a gravity-file pivoted to said uprights, means for limiting the downward movement of said file with regard to the uprights, a pencil-holder rotably mounted adjacent to said file and bearing a pinion to mesh with the rack of the slide aforesaid.

CLAMP FOR SCHOOL-DESKS. Allen D. Linn, Grand Rapids, Mich., assignor to the Grand Rapids School Furniture Company, same place.



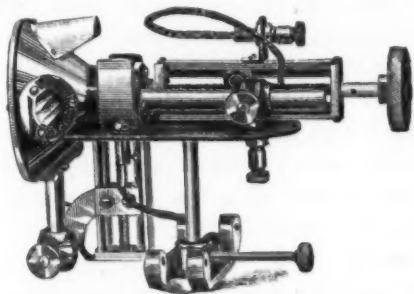
In combination, the standard, the bracket having a vertical slot therein, the projection *a, a*, on the standard extending through the said slot, the block between the projections having the portions for engaging the bracket and the bolt for drawing the parts together, said bolt passing through the slot in the bracket and through an opening in the standard.

SCHOOL-DESK. Thomas J. Thorp, Forest Grove, Ore., assignor of one-eighth to Burdett L. Hurd, Chicago, Ill.



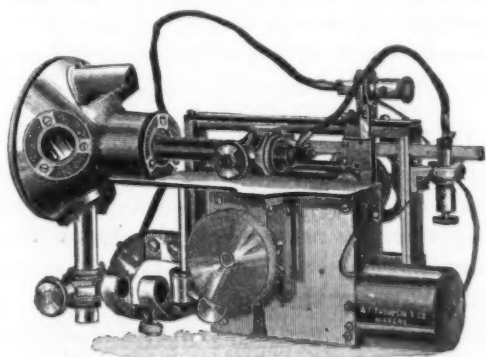
In combination with a school-desk, a lesson-apron I on rollers H, H', f, f', rack-bars G reciprocally supported at opposite sides of the front portion of the desk and carrying said rollers, a rotary shaft d carrying pinions engaging said rack-bars, a hinged lid F forward of the top of the desk and provided on one side with the arms g, and collars g' on said arms having pivotal link connection with said rack bars.

NINETY DEGREE HAND-FEED AND AUTOMATIC FOCUSING ELECTRIC LAMPS. A. T. Thompson & Co., 26 Bromfield St., Boston, and 591 Broadway, New York.



These lamps, upon which patents are pending, are specially designed for stereopticon use. The construction is such that the upper, or horizontal, carbon is always in alignment with the optical center of the lenses. This condition exists, no matter whether the lamp has burned fifteen minutes or two hours, the result being a perfectly clear disc of light at all times on the screen. The lamp will burn equally as well on the alternating as on the direct system of lighting. The actual candle power obtained is 15 to 25 per cent. greater than with the vertical type of lamp, the result being more light and less heat.

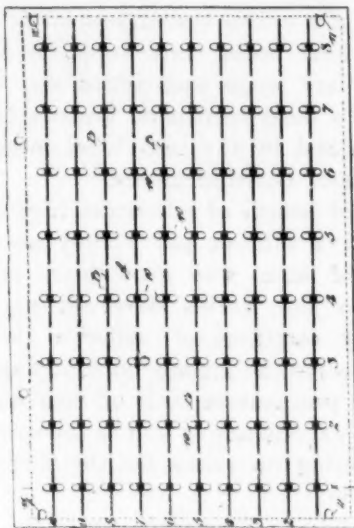
The automatic lamp may at any time be used as a hand-feed, the hand wheel at the side being free



to move the carbons in either direction at all times. The miniature size will be appreciated by lanternists who are already supplied with a lantern or stereopticon and who desire to equip the same with electric lamps. In summing up the foregoing, these focusing lamps may be used in any lantern or stereop-

tion, upon any kind of current, in parallel, or in series, and are, without doubt, the most satisfactory ones yet devised for optical projection.

SCHOOL-ROOM DIRECTORY AND BULLETIN. James S. McClung, Pueblo, Col.



A bulletin or directory for school and other purposes, consisting of a board or plate provided with a series of clips upon one of its faces, information-cards located within the said clips, both faces of the cards being readable without detachment from the clips, and a tabulated card secured to the said board or plate at the back, the said tabulated card containing information as to the school-history and physical condition of the pupils named upon the information cards.

LADY SCHOOL SUPPLY MANAGER.

All avenues of honorable human activity are open to the modern woman. She has demonstrated her fitness and ability in the business as well as profes-



MISS BERNICE P. GREGORY.

sional callings. Miss Bernice P. Gregory, of Nashville, Tenn., deserves attention at the hands of this journal, since she is identified with an industry which comes strictly within its scope. She is the sole owner of the Gregory Tale Blackboard and Crayon Co., and serves in the capacity of secretary. By her shrewd business tact

and wonderful executive ability, together with energy, she has made a great success of her business enterprise, holding patents on Blackboards, Crayons and Erasers. Whitaker & Ray Co., of San Francisco, Cal., her agents for the Pacific Coast, have had these Erasers adopted by the public schools of San Francisco, Oakland and Alameda, California. These goods have been pronounced by competent judges to be the best in the market, the eraser being the only one in the world made entirely of fine felt without wood or metal. Some of the schools which have adopted the goods of the Gregory Tale Blackboard and Crayon Co. during the past month, are Ursuline Academy, Cleveland, Ohio; St. Mary's University, Galveston, Texas; Jasper Normal School, Jasper, Florida; Public High School, Collinsville, Ala.; St. Mary's Academy, Paducah, Ky.; Harmony Grove Academy, Harmony Grove, Ga.; Southern University, New Orleans, La.; and the new Napier public school of Nashville, Tenn., which opened its doors for the first time on Feb. 7th, 1898.

Miss Gregory is an A. B. and MM. graduate of Mary Sharp College, Winchester, which bears the record at Washington of being the first college in America to introduce the highest education for women. Miss Gregory was also a pupil of the celebrated Frederick H. Clark, of Chicago. In music, as well as in the collegiate departments of the schools attended, Miss Gregory finished with distinction. She now holds diplomas and medals in Greek and Music which those of more than ordinary fame would be proud to possess.

Personally, she is considered one of the South's most charming young women. She is unusually brilliant, of handsome appearance, and possessed of that strange unknown quality, magnetism. All of the employees in her factory have great regard for her owing to her kindness to them.

MANAGES A LARGE INDUSTRY.

SKETCH OF W. C. HUDSON OF THE HUDSON SCHOOL FURNITURE CO.

When a handsome article is shown us we unconsciously associate some person with it whose skill and ingenuity has produced it. We see in our mind the machanic or the directing head of a manufacturing concern. It is therefore natural that when we admire a well made, gracefully shaped school desk, we call to mind some one whom we have known to be associated with a similar article.

And yet, we see the school desk again and again, while the man who has produced it seldom comes into our presence. It may, therefore, be interesting to meet face to face the men who are identified with the great industry of manufacturing school furniture, and learn something about their career, their efforts, and their achievement. Thus we meet Mr. Hudson, manager of the Hudson School Furniture Co.; of Athens, O., whose interesting career and the history of his company are here briefly told.



W. C. HUDSON, Sec'y and Treas. Hudson School Furniture Co., Athens, O.

W. C. Hudson received a good education, graduating from the Goschen Seminary in 1876 and from the Michigan University in 1882. In 1888, he, together with his brother S. M. Hudson, formed a partnership, and in 1894 organized The Hudson School Furniture Co., at Athens. Both men were well equipped to engage in this line, having been successful salesmen of school furniture for eight years. They employed conservative business methods, yet were enterprising and energetic.

A well equipped factory, being able to make the iron castings as well as the wood work, was erected. Success followed their efforts—in fact, they have been fortunate enough to demonstrate that at least some profit can be made even in this difficult branch of manufacture.

The company has a capital of \$100,000.00 invested in its business. Its trade is located principally in the East and South, although it does some business in all parts of the United States. The furniture manufactured by them is of a splendid grade of white oak, well finished, and considered the equal of the best class of furniture made.

Mr. W. C. Hudson served four years in the Ohio legislature, and enjoys the esteem of his fellow citizens. He is unassuming in manner, an earnest and thoughtful man, and one whose presence inspires respect.

W. N. Ferris, Proprietor Ferris's Industrial School of Big Rapids, Mich., re-ordered a supply of Book Covers and Repairing Material of the Holden Patent Book Cover Co.

THE AMERICAN School Board Journal

DEVOTED TO

School Boards, School Officials and Teachers.

WM. GEO. BRUCE, Publisher and Proprietor.
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We publish the only Journal devoted exclusively to School Boards and executive officers; furnish information on the doings of School Board committees, including important executive actions, best methods of heating and ventilation, text-books, with prices and adoptions, school law decisions, models of school buildings, statistics upon salaries, publish engravings of leading school men, etc.; briefly, we keep School Boards and Teachers abreast with the time.

THE NEXT NATIONAL MEETING.

The next National School Board Convention (Department of School Administration, N. E. A.) will be held at Washington, D. C., Friday and Saturday, July 8 and 9. President John E. Brandegee, of Utica, N. Y., and Secretary Irwin Shepard, together with the Executive Committee, at a conference held during the past month, fixed the above dates. The sale of railroad tickets going to Washington will be made from July 4th to 7th inclusive. The return ticket will be good beginning with July 8. The rate will be one fare for the round trip.

A SCHOOL BOARD EXPENSE.

Occasionally an item of expense, which may be a legitimate and even necessary one, gives rise to a question of legality. Although a common sense view would sanction the item, the timidity of some of the members and the conservativeness of others, would create a hubbub, and defeat the just appropriation or allowance of the account. At the same time an item of extravagance is often approved simply as a matter of expediency, and because it comes strictly within the scope of the law.

One item which has been a bone of contention in some boards is that of the expense for sending delegates to school board conventions. It has been held by members that such an item of expense could not be approved as coming within the objects and purposes of a regular school fund. A thorough investigation of the subject, however, has lent a new light upon such expenditure. A school fund is primarily raised to maintain a school system. This implies that it shall be conducted upon the most efficient basis, and that aside from the housing and teaching of children, the equipment and school paraphernalia shall be ample. The board must also surround itself with such information, data and literature as will tend towards the highest efficiency in school government. Any special steps taken to

attain this efficiency are not only legal but commendable, and if attended with an outlay, such special outlay becomes a most proper one.

If, then, a school board shall deem it in the interest of a school system to send delegates to a school board convention, the expense attendant upon such action may be held to be a most legitimate one, as has been determined by the best legal minds and able school board members.

Members of boards of education in most instances serve without pay. They are a busy class of men who give their time cheerfully to the duties devolved upon them. Many sacrifices of valuable time are made to serve the schools faithfully and well, and no progressive body of men will question the expediency as well as the value of strengthening its ranks for the duties assigned them.

Thus may boards defray out of the school fund the cost of sending members from their midst to attend these great national and state gatherings of school boards, which enlighten and strengthen all who attend them. Their labors revert to the great good of all school systems represented.

MARRIED TEACHERS.

The Valparaiso, Ind., board of education has inserted the following clause in the contract of all teachers employed for this year: "It is also a part of this contract that Miss — will not marry before the close of the school year, and if she does so this contract becomes null and void." Supt. Chas. H. Wood explains the insertions of the clause as follows: "The reason for inserting the clause was, that for the last two years the board has been greatly inconvenienced by losing its teachers through marriage. It was pleasant for the girl, but not for the board, for it was left each year, generally about Christmas time, with one or more vacancies in the teaching staff. I am in favor of the clause myself. I do not think it works any hardships at all. The effect of the clause on a young lady who intended marriage during the year would be to restrain her from signing the contract, and on one who becomes engaged subsequently, to postpone the ceremony until the close of the school year. The hardship would fall on the man perhaps, but he is not to be taken into account. As to whether it could be enforced or not, I am uncertain. Contracts opposed to public welfare are void, I know, but it would rest with the courts whether this one is of that nature. Its greatest strength will be in a moral sense. A young woman of self-respect would regard its violation as a breach of faith, and this will be sufficient for the board's purpose."

An Ohio school board member who favors married lady teachers puts it this way: "Some school boards think that the only woman capable of understanding a child is the woman who never had one herself."

SCHOOL FURNITURE IN 1898.

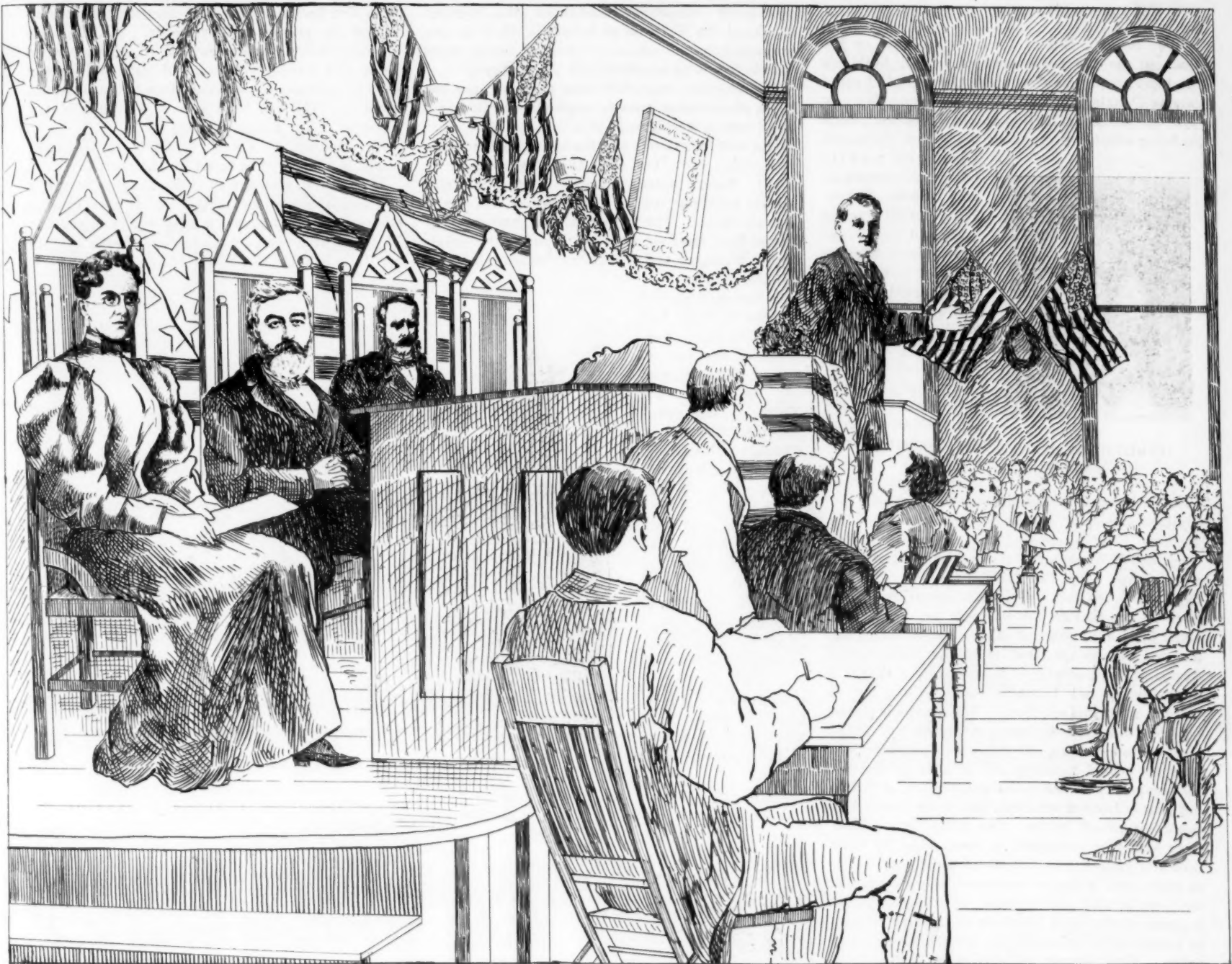
The indications point to an unusually active year in school house construction. Architects and heating contractors have been busy during the past two months answering preliminary inquiries regarding plans and specifications. The readiness with which cities, towns and villages can dispose of school bonds, the low prices of labor and material, all tend to encourage school house construction.

Thus an active year in this direction will also put into motion the wheels of school furniture factories and transform crude materials into handsome school desks.

In this connection it may be interesting to touch briefly upon the prospective trade, and to note what the school desk for 1898 may be. While it cannot be said that the styles will vary like the cut of a coat, or that manufacturers will vie with each other in the number of varieties they can produce, it remains that the modern school desk presents some distinctive as well as attractive features. The manufacture of this article has not only undergone the process of an evolution, if not revolution, so that the old soap-box implement is displaced by a handsome piece of furniture, but important improvements have come to light in even recent years. These are by no means confined to the adjustable feature which has been so thoroughly developed, and the demand for which is so steadily growing. But the standard desk also has come in for all that ingenuity which aims at perfection. Thus the school desk of a few years ago is not exactly the school desk of to-day. Improvement upon improvement has been added, until manufacturers are almost ready to say that the limit has been reached. The supply is beyond the expectations of the demand, in quality at least. In other words, the modern school desk, all things considered, is better than the purchaser has a reason to expect.

Thus the modern school desk is beyond question the consummation of the best thought, inventive genius, and mechanical skill, which has been contributed during the past twenty-five years. If manufacturers defy further improvements they cannot be blamed. The modern school room could not demand a better article for less money than is offered at the current prices. The school desk for 1898 is a perfect article.

The illustration of "Westover," which appeared in the January number of the SCHOOL BOARD JOURNAL, has developed an interesting coincidence. Mr. Amos Youmans, secretary of the board of education, and cashier of the First National bank, at Fulton, N. Y., was camped as a soldier in Company A, 184th regiment N. Y. V., near the great "Westover" landmark. Prof. W. H. Beach, of the Milwaukee high school, was a member of a New York Cavalry Company during the war, and was also for a time quartered near "Westover."



GRACE ESPEY PATTON. PRESIDENT SCHAEFFER. SECRETARY STEELE.

PROF. MARTIN G. BRUMBAUGH.

THE MEETING OF THE DEPARTMENT OF SUPERINTENDENTS OF THE NATIONAL EDUCATIONAL ASSOCIATION, CHATTANOOGA, TENN., FEBRUARY 22d to 24th.

THE CHATTANOOGA MEETING.

The educators who flocked to Chattanooga last month to attend the meeting of the Department of Superintendents found an average attendance, an average program and an average interest. Many of the notables in the educational world were conspicuous for their absence. Dr. Harris, who is always an attraction at educational gatherings, disappointed his audience. The meetings were fairly well attended, considering the historic attractions in and about Chattanooga. Some of the members, however, felt that there was too much indulgence in side trips, and a motion, submitted by Aaron Gove, aimed at a remedy. It provided that a committee should be appointed whose duty it should be to look into the feasibility of selecting a city where the meetings should be held for three successive years. This would discourage excursions and side trips.

The vote on the selection of a city for next year's meeting resulted as follows:—Columbus, O., 75; Albany, N. Y., 5; Asheville, N. C., 3; Detroit, Mich., 17; Austin, Tex., 13. Columbus was chosen.

The following officers were selected for the ensuing year: President, E. H. Mark, Louisville, Ky.; First Vice-president, G. H. Conley, Boston, Mass.; Second Vice-president, A. T. Barrett, Chattanooga, Tenn.; Secretary, J. H. Van Sickle, Denver, Colo.

The following State Superintendents were present: S. R. Glenn, Georgia; Nathan C. Schaeffer, Pennsylvania; O. T. Corson, Ohio; R. C. Barrett, Iowa; Jason E. Hammond, Michigan; Price Thomas, Tennessee; John R. Kirk, Missouri; S. M. Inglis, Illinois; J. Q. Emery, Wisconsin; Charles R. Skinner, New York; J. R. Trotter, West Virginia; W. W. Stetson, Maine; C. J. Baxter, New Jersey; Frank A. Hill, Massachusetts; Grace E. Patton, Colorado; W. N. Sheats, Florida; A. A. Kincannon, Mississippi; T. B. Stockwell, Rhode Island; J. M. Carlisle, Texas.

The following publishing firms were represented: University Publishing Co., Henry T. Dawson, New York; Lucien V. La Taste, Montgomery, Ala.; Capt. R. P. Henry, Richmond, Va.; J. M. Attaway, Atlanta, Ga.

D. Appleton & Co.:—H. A. Hayes, New York; Alfred A. Horn, Chicago.

Harper & Brothers:—N. D. Newson, New York; W. S. Russell, Chicago.

Ginn & Company:—T. W. Gilson, H. H. Hilton, Chicago; Geo. A. Plympton, New York; W. B. Owen, Chicago; Wilbur Calkins, Chattanooga; L. B. Roberson, Atlanta, Ga.; E. A. Brennan, Little Rock, Ark.; E. A. Dewitt, Dallas, Tex.

D. C. Heath & Co.:—C. H. Ames, Boston; W. E. Pulsifer, New York.

Prang Educational Co.:—W. E. Cochrane, New York; Wm. S. Mack, Chicago.

American Book Co.:—L. M. Dillman, John C. Ellis, Chicago; Frank A. Fitzpatrick, Boston; H. W. Louis, Jackson, Tenn.; J. A. Greene, H. H. Vail, New York.

Thompson, Brown & Co.:—George H. Royce, Chicago.

Silver, Burdett & Co.:—Frank Beattys, New York; F. W. Arbury, Battle Creek, Mich.; J. F. McCullough, Chicago; A. A. Silver, Boston.

Macmillan Company:—Frank A. Wise, New York. G. & C. Merriam Co.:—K. N. Washburn, Springfield, Mass.; Maj. A. J. Cheney, Chicago.

Scott, Foresman & Co.:—H. A. Foresman, Robt. E. H. Foresman, E. H. Scott.

Houghton, Mifflin & Co.:—C. F. Newkirk, Chicago; H. N. Wheeler, Boston.

Leach, Shewell & Co.:—W. H. Ducker, Chicago; Chas. A. Sibley, Boston.

Sheldon & Co.:—Alex Forbes, Chicago.

Milton, Bradley Co.:—Milton Bradley, Springfield, Mass.; E. O. Clark, Atlanta, Ga.

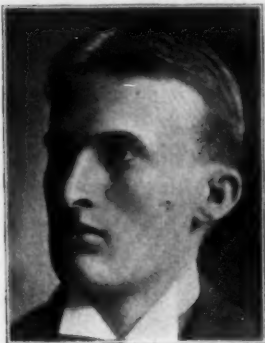
The Morse Co.:—Jerome E. Morse, Chas. Irving Webster, New York; L. E. Loveridge, Chicago.

The Ellsworth Co.:—H. W. Ellsworth, New York. Charles Scribner Sons:—E. T. S. Lord.

Maynard, Merrill & Co.:—C. E. Merrill, New York; J. D. Williamson, Chicago.

AN IMPORTANT INDUSTRY.

THE SCHOOL BOARD JOURNAL is always on the lookout for the betterment of school buildings and any arrangement whereby the safety of scholars and teachers can be improved upon. We now call our readers' attention to the invention which is being adopted throughout the United States and



ALFRED OWEN DUNK,
New York City.

Canada for public buildings, more especially school houses. The question of egress in case of fire or disaster from a burning building, is one of the most important matters a school board has to contend with. It is also a matter that is often overlooked and neglected, as, for example, the panic which occurred last December in a Brooklyn school, where, on account of insufficient egress in case of fire, and a poorly disciplined fire drill, a bad disaster occurred. The National Fire Escape Co., of 1123 Broadway, New York, and 88 Washington St., Chicago, manufacture a fire-escape under the Fairchild patent. This escape, which we call our readers' attention to, has been on the market for the past five years. We learn from a number of school boards who have adopted this escape, that it is the most perfect device on the market. It is so arranged that it is accessible at all times, no matter how hot or terrific a fire you may have. The escape is placed between the windows and not in front of them, thereby not cutting off the much needed light from the school building, and, in case of disaster, the escape can be descended at all times, as it does not pass in front of windows, thus those descending cannot be cut off by fire. The escape is a continuous stairway, protected on both sides by hand rails and guards, and consists of short easy flights of stairs, and is easily descended by young or old, and even invalids and cripples. It is impossible for a person to fall and blockade the escape, or even be pushed off or injured, even though a panic may exist. The escape has standpipe connections which are highly recommended by the fire department, and tends to decrease the insurance rates. The National escape has great strength, and is practically indestructible, besides being light and airy in construction. It adds to, rather than detracts from, the architectural symmetry of the building. The school boards at Detroit, Wyandotte, Reading, Saginaw, Buffalo, Glens Falls, the Ethical school in New York, Froebel Academy of Brooklyn, and many others use and recommend this escape. Secretary Little, of Glens Falls, recommends the escape to all school boards wishing good, safe fire escapes. President Seely, of Detroit, says: "We think the escape is the best in the market, and especially for school buildings."

Chief Wallace, of the Fire Department, of Saginaw, Mich., says: "It is the only escape manufactured suitable for any building in which women and children congregate, as in case of fire, there is invariably a panic, and the National Fire Escape is the only one which can be safely descended by an excited and uncontrollable lot of people."

There are many other testimonials from places throughout the country which are too numerous to mention.

Mr. W. N. Sheats, Superintendent of Educational Department of the State of Florida, one of the most

prominent educators throughout the country, speaks of the National as follows: "It is in my judgment that all school buildings of two or more stories should be provided with fire escapes."

The company manufacturing these escapes has had a phenomenal growth, originally starting in a small way in Michigan in 1892.

The first four or five months of its existence was very uphill work, but after that it grew as if by magic. School boards and owners of public and private buildings saw the advantages of this escape over all others. The growth of the company continued from then on, starting by equipping buildings in Michigan, and gradually extending throughout the country.

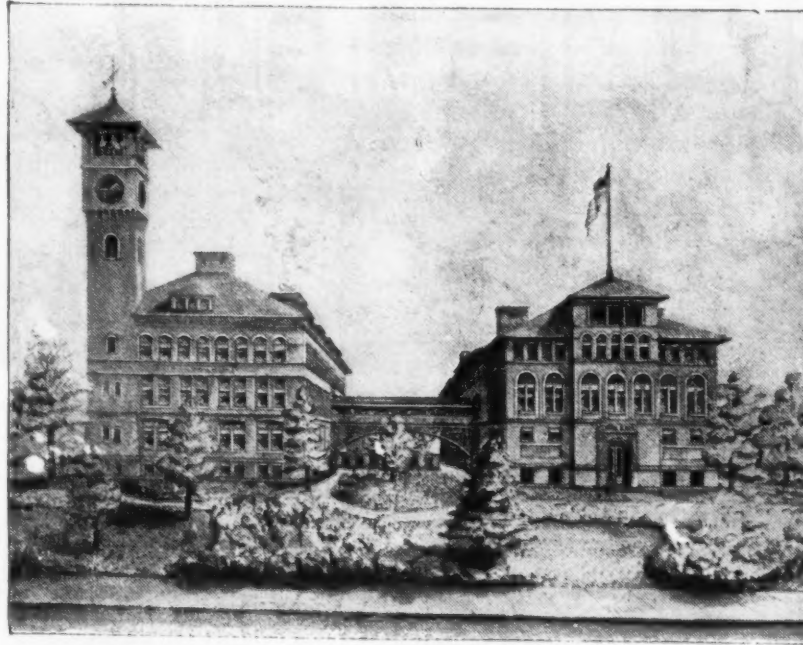
In the early part of '97, the business had grown to such proportions that it required the moving of its offices to New York city, and opening branch offices in Chicago, St. Louis, Pontiac, and other cities. Its capital stock is a quarter of a million dollars, and it is the largest concern of its kind in the world.

Mr. W. G. Hay is president of the company, Mr. A. O. Dunk, secretary and treasurer, of whom the accompanying cut is a good likeness. Mr. Dunk is very active in the company, and

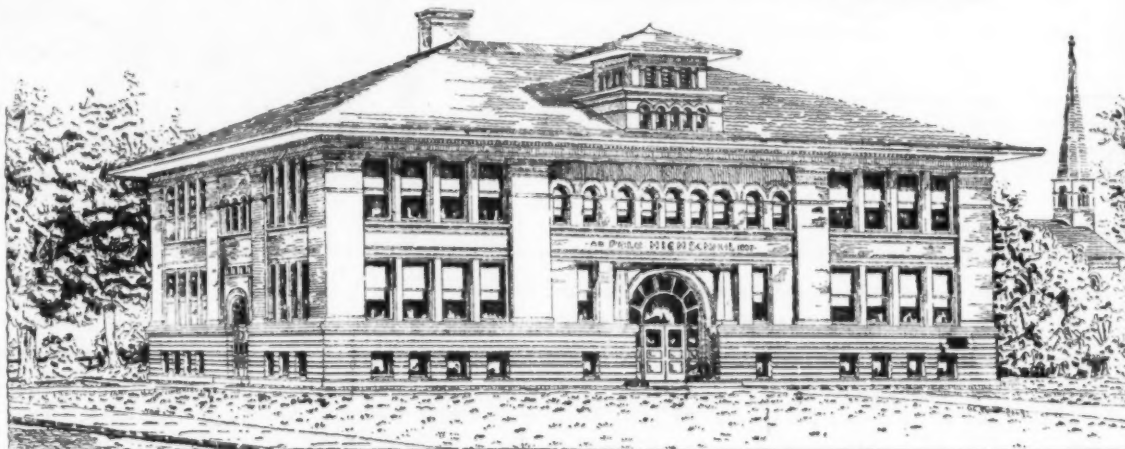
it is due to his efforts that the company has attained its present achievements. Mr. Dunk is a young man in years, but old in experience, he being but twenty-five years of age, and having been in business for himself since his seventeenth birthday. He is a hard worker and one of the foremost of our young business men.

Mr. Samuel F. Owen, formerly of Saginaw, Mich., is general sales agent for the company.

The office in Chicago at 88 Washington Street, is the headquarters for school authorities visiting Chicago, all of whom are always welcome, and the St. Louis, Mo., company's office is presided over by Mr. John Lindsey, Ex-Fire Chief of that city.

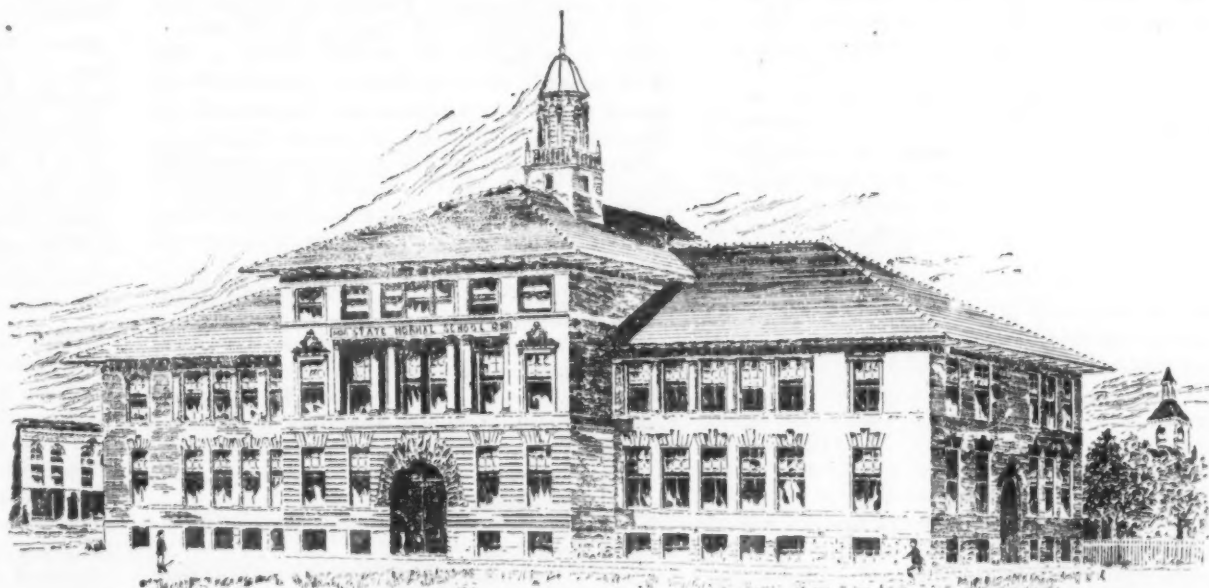


THE NEW STOUT MANUAL TRAINING SCHOOL, MENOMONIE, WIS.



PROPOSED NEW HIGH SCHOOL, POLO, ILL.

DOWLING & MILLER, ARCHTS.
Rockford, Ill.



NEW STATE NORMAL SCHOOL, RIVER FALLS, WIS.

WM. WATERS, ARCHTENT,
Oshkosh, Wis.

ARCHITECT ALLEN'S ADVANCE.

THE GREAT WESTERN SCHOOL HOUSE ARCHITECT
RECOGNIZED IN THE EAST.

When the World's Fair Commission awarded one premium, and one only, for school house architecture, F. S. Allen, of Joliet, Ill., was the fortunate and deserving recipient. His plans attracted the



F. S. ALLEN,
School Architect, Joliet, Ill.

attention of school officials in all parts of the United States. They indicated strength and originality in design, utility in arrangement, and were, withal, modern. His labors had been confined to the great Northwest, where his reputation had already been established. That his services would be in demand in other portions of the United

States was evident, but he declined for some years to go outside his chosen territory. The pressure however, continued and Mr. Allen was prevailed upon to compete with Eastern architects.

The adoption of his plans at Trenton, N. J., is a tribute to his genius, and a victory for the progressive style of school house architecture introduced by Mr. Allen in the West.

At Trenton, N. J., his plans were selected by the board after a contest with nine architects, local and foreign. His design is 102 x 136 feet in size, three stories and basement high; it is to be built entirely of stone, and covered with a slate and copper roof. It is to be of slow burning construction, and finished inside with marble and quartered oak. Its capacity will be sufficient for 800 pupils, and it will contain all of the latest and most improved methods of arrangement, heating, ventilation and lighting, and is to be built at a cost of \$95,000.

the grades up to the ninth, the mayor would build smaller ones to be used only for the younger pupils. The mayor contends that it is in the lower and not in the higher grades where the crowded condition is complained of. The majority of the board members are opposed to the scheme.

Topeka, Kan. Kansas school bonds are much in demand at the present time; they were spurned a

year ago. Bonds bearing 4 or 5 per cent. rate of interest are easier to dispose of now than the 7 or 8 per cent. bonds of last year.

Chicago. In order to bring the question of whether or not the board of education could legally insert in its contracts a clause requiring contractors to employ none but union labor, a test case is to be taken into the court.



NEW HIGH SCHOOL, TRENTON, N. J.

F. S. ALLEN, ARCHITECT,
Joliet, Ill.

NEW SCHOOL AT HOUSTON, TEXAS.

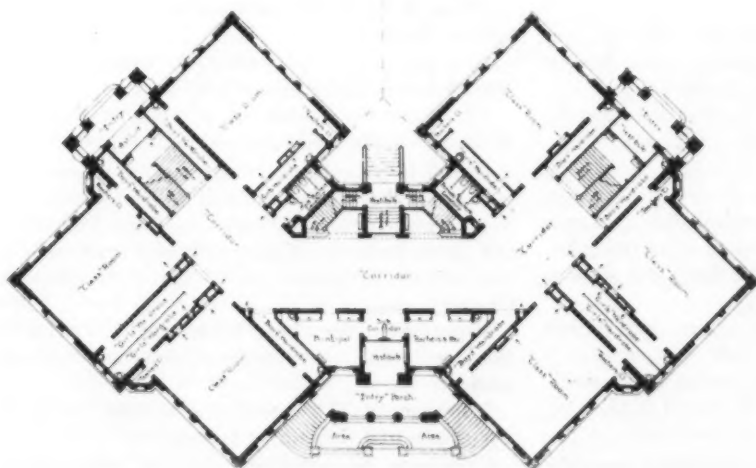
Rice & Dunbar, Architects, of Houston, Texas, drew the plans for the Rice school of that city. This handsome structure was planned with a view of obtaining unlimited light and air. The school is built of brick, with stone and terra cotta trimmings, galvanized iron cornice, and slate roof, and has a capacity for seating 600 pupils. The aggregate cost of the building is nearly \$35,000.

BUILDING AND FINANCE.

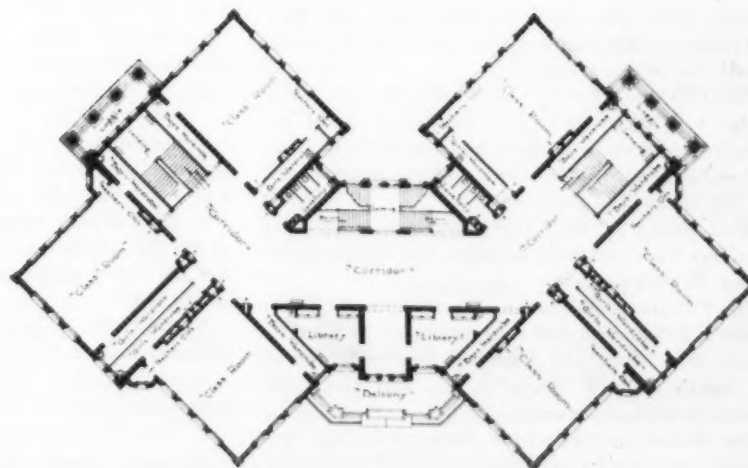
Detroit, Mich. Mayor Maybury has a plan for the relief of crowded schools, which would be a radical departure from the present school system. Instead of building new large schools, taking in all



THE NEW RICE SCHOOL BUILDING.



FIRST FLOOR PLAN.



SECOND FLOOR PLAN.

THE NEW RICE SCHOOL BUILDING, HOUSTON, TEXAS.

RICE & DUNBAR, ARCHITECTS, HOUSTON, TEX.

Supplies and Equipment.

D. J. Burke, a representative of the Educational Department of the Eagle Pencil Company, died after a brief illness at his home in Chicago, January 23. Mr. Burke was, while in the East, stricken with paralysis. He recovered temporarily, and reached his home in Chicago much improved. A second stroke, however, followed, which ended in death. Jim Burke, by which name he was familiarly known, was a young man whose genial traits of character had endeared him to thousands of school people with whom he had come in contact. He was energetic and successful, enjoying the confidence of his employer and associates. His death is a genuine loss not only to his immediate friends but to the company which he had represented so faithfully and well. Mr. Homer P. Beach, the manager of the company, expressed the deepest regret at the death of a valued employe and a genial associate.

New Britain, Conn., recently ordered a supply of the Holden Book Covers and Repairing Material.

Salina, Kan. The Kansas Wesleyan College of this place has purchased from the Smith Premier Typewriter Co.'s Kansas office, two new Smith Premier machines for use in this institution.

James. S. Graham, formerly of the Caxton Co., Chicago, has gone to California to engage in business. He will incidentally sell the Caxton charts.

W. A. Olmsted, the school supply man of Chicago, did fifty per cent. more business than any previous year.

A new school supply firm, under the name of Hathaway & Atkinson, has been started in Chicago with offices and ware rooms at the Atlas building, corner Wabash Ave. and Randall St. Mr. Atkinson was with W. A. Olmsted, until recently, and Mr. Hathaway was for some time connected with the United States School Furniture Co. Both are young men who come equipped with experience and energy.

President, H. S. Chapman, board of Education, Lockport, N. Y., sends information how to secure pure water for your schools, upon application.

Hopkinsville, Ky. The high school has received a new Smith Premier machine to be used for instruction purposes.

The prize of a projection lantern offered some time ago by J. B. Colt & Co., of New York, was won by Homer C. Bristol, of Brooklyn. He had written the best essay on the projection lantern and its uses in the schools.

F. F. Harding, principal of Public School No. 83, Brooklyn, N. Y., covers his books with the Holden Book Covers, purchased from the Holden Patent Book Cover Co., of Springfield, Mass.

Denver, Colo. Normal and Preparatory school has installed a new Smith Premier machine for the use of its students.

The Standard School Furnishing Co. of Chicago, has been designated as the Western agency for the Holly Silicate Slate Co. of New York.

The School and Office Supply Co. of Grand Rapids, Mich., is a vigorous competitor. Mr. Maybury, the manager, goes on the plan that it pays to handle the best articles only.

The Chicago office of the Smith Premier Typewriter Co. has recently sold machines to the St. Gabriel's school, Chicago; St. Joseph's College, Rensselaer, Ind.; St. Benedict's school, Blue Island, Ill., for instruction purposes.

West Scranton, Pa. Two new Smith Premier machines have just been added to the equipment of the St. Patrick's school.

The Pittsburg office of the Smith Premier Typewriter Co., has just sold new machines to Porter's school, Pittsburg; the Curry College, Pittsburg; the Smith College, Meadville, Pa., and the State Normal School at Fairmont, W. Va.

Des Moines, Ia. The Iowa Business College has recently purchased a new Smith Premier Typewriter.

Omaha, Neb. New Smith Premier machines have been added to the equipment of A. C. Van Sant's school and the Omaha Commercial College.

The announcement is made that the business heretofore conducted by James B. Wilson will be carried on hereafter by the James B. Wilson Co., which has been organized under the laws of the state of New York. The business will be continued at No. 133 Williams St., New York City, as heretofore. Mr. James B. Wilson will serve as president and general manager, and will continue its active oversight and direction.

The Omaha office of the Smith Premier Typewriter Co., has recently sold machines to the Hull Educational Institute, Hull, Iowa, and to the Wayne College, Wayne, Neb.

The girls' industrial institute of Montevilla, Ala., have reordered a supply of the Holden Book Covers.

Mr. F. Marion Woods, manager of the Education Company, Chicago, has visited the different winter resorts in Florida this winter, and has returned much improved in health and appearance.

The following cities and towns on Long Island, N. Y., have recently purchased hygienic wardrobes from the Flexible Door and Shutter Co.: College Point, one school of eighteen rooms; Flushing, one school, eight rooms; Corona, two schools, eight rooms; Bayside, one school, four rooms; Woodside, one school, eight rooms; Metropolitan, one school, eight rooms; Black Stump school, two rooms; Douglaston, one school, two rooms; Brooklyn, school No. 110, and school No. 118.

The Holden Book Covers were purchased from the Holden Patent Book Cover Co. by the New Bedford, Mass., board of education.

Reading, Pa. Reordered a supply of transparent paper from the Holden Patent Book Cover Co.

The Rhode Kindergarten Supply Co., of Milwaukee, has issued a catalogue, which contains a list, together with prices, of the goods it now manufactures. During the past year the company has made considerable progress, now manufacturing many of the goods which it formerly handled as agents.

The Gregory Talc Blackboard Co., Nashville, Tenn., has received an order for fifty gross or 600 dozen of their model erasers from New York parties.

Tarentum, Pa. Ordered a new supply of the Holden Book Covers.

Pittsburg, Pa. New high school fitted with hygienic wardrobes; Flexible Door and Shutter Co.

S. Orange, N. J. New school of six rooms fitted with hygienic wardrobes, also four sets of Flexifold partitions for sub-dividing assembly room; Flexifold Door and Shutter Co. Cedar Valley, O. Two Flexifold partitions. Gardner, Mass. Hygienic wardrobes; Flexifold Door and Shutter Co.

Peoria, Ill. A Remington typewriter, purchased from Wyckoff, Seamans & Benedict, New York City.

Sandwich, Ill. Kindergarten supplies purchased from the Thomas Charles Co., of Chicago.

Tiffin, O. Contract for relief maps awarded to the Central School Supply Co.

Milwaukee. The board has ordered apparatus from the W. A. Olmsted Scientific Co.

Peoria, Ill. The board has purchased supplies from the Ziegler Electric Co.

Kalamazoo, Mich. The Rand-McNally Co. was awarded the contract for furnishing maps for the high school, their bid being the lowest received.

Toledo, O. The board has decided to equip the following seven school buildings: Jefferson, Washington, Broadway, Sherman, Franklin, Nebraska, and Stickney, with the Kirk-Bender fire escape. The Kirk-Bender escape is a spiral slide. In case of fire the scholars are supposed to enter the cylinder, by way of landings on each floor, and slide to safety below.

Norfolk, Va. Contract for maps and globes awarded to J. M. Olcott, New York.

New York City. Exclusive contract for pencil compasses awarded to the H. P. Smith Publishing Co. This company's pens put on open list.

Wellesley, Mass. Board of education recently sent in their annual order for the Holden Book Covers and Repairing Material, to the Holden Patent Book Cover Co., of Springfield, Mass.

Brooklyn, N. Y. Exclusive contract for black-board compasses awarded to the H. P. Smith Publishing Co.

Baltimore, Md. The contract to supply the public schools with about 700 water coolers awarded to Addison & Dunn, whose bid was as follows: Three gallon coolers, 95 cents each; six gallon, \$1.50; eight gallon, \$1.65.

The public library of Kankakee, Ill., adopted the Holden System for preserving Books.

Peoria, Ill. Science equipment for the high school purchased from A. L. Robbins Co., Chicago.

Syracuse, N. Y. The following proposals were received for placing blackboards in the four new schools: N. E. Loomis, 16 $\frac{3}{4}$ cents per square foot; Washington Slate Company, (informal), 25 cents; Hiram Wise, 16 $\frac{1}{2}$ cents; H. F. Andrews, 17 cents; W. A. Choate Company, (informal) 17 cents; American Slate Blackboard Company, 17 and 18 $\frac{1}{2}$ cents; Hyde & Gload Manufacturing Company, 16 $\frac{3}{4}$ cents; Leavenworth & Myer, 18 cents; Donohue & Huneberg, 13 $\frac{1}{2}$, 14 $\frac{1}{2}$, and 15 $\frac{1}{2}$ cents.

Chelsea, Mass. Ordered a supply of the Transparent Paper manufactured by the Holden Patent Book Cover Co.

Spokane, Wash. The Central School Supply House of Chicago, has made to the board an offer to supply eight sets of political relief maps for \$1,000.

Tonowando, N. J. Drawing material purchased from the Prang Educational Co. of Chicago.

St. Johnsbury, Vt. Adopted the Holden System for Preserving Books, manufactured by the Holden Patent Book Cover Co., of Springfield, Mass.

Decatur, Ill. School supplies purchased from W. A. Olmsted of Chicago.

Princeton, Wis. A manual of Geography, designed to be used as a guide to the study of our Politico-Relief Maps, by James Howard Gore, Professor of Geodesy, Columbian University, has been received from the Central School Supply House, Chicago. This is a splendid work, plentifully illustrated, the pictures having been selected with especial care, and are exact reproductions by the half-tone process of original photographs. These maps speak for themselves, and were awarded the medal at the Columbian Exposition.

Chester, Pa. A quantity of book covers purchased from the Holden Patent Book Cover Co.

Stevens Point, Wis. Drawing supplies purchased from the Prang Educational Co.

Harrisburg, Pa. Sent in their annual order for Book Covers to the Holden Patent Book Cover Co., of Springfield, Mass.

Bay City, Mich. The board of education made a purchase of eight sets of Kennedy's mensuration blocks at \$28 a set.

Philadelphia. Individual drinking cups are to be provided for all public school pupils. School houses in infected districts are to be scrubbed at least once a week with a solution of carbolic acid.

Scranton, Pa. Reordered a supply of the Holden Covers.

Olean, N. Y. Kindergarten supplies secured from Milton Bradley Co.

New Haven, Conn. Contract for maps and globes awarded to J. M. Olcott, of New York.

Circleville, O. Reordered a supply of Repairing Material for the inside protection of the text books.

Grand Rapids, Mich. Contract for school supplies awarded to School and Office Supply Co. Lead pencils purchased from the Eagle Pencil Co., ink wells from the Haney School Furniture Co., and science apparatus from Alfred L. Robbins, Chicago.

Milwaukee. The Prang Educational Co. supplied the schools with the necessary paints and manuals needed.

Dubuque, Ia. The board of education has made a purchase of a Remington typewriter.

Galesburg, Ill. Supplies for the high school laboratory purchased from the Ziegler Electric Co.

West Chester, Pa. The school board has provided each pupil with an individual drinking cup.

Thomas J. Calloway, of the Tuskegee Normal and Industrial Institute, Tuskegee, Ala., has recently returned from the North, where he made a careful inspection of new school apparatus. Among other purchases made was a complete lime light dissolving stereopticon. Messrs. A. T. Thompson & Co., 26 Bromfield St., Boston, Mass., secured the order.

Chicago. The Chicago Womans' Club has sent a communication to the board requesting that every school room be scrubbed and windows cleaned once a month and that the halls and kindergarten rooms be cleaned weekly.

Prof. J. F. Hopkins, Instructor of Art and Drawing, Boston, is giving weekly, at the English High School, a series of illustrated lectures on Art, these lectures being fully illustrated in the columns of The Boston Herald. The stereopticon used is one manufactured by A. T. Thompson & Co., 26 Bromfield St., Boston, and is equipped with improved 90° arc lamps.

Fall River. Ordered a new supply of the Holden Book Covers, the same as they have used for quite a number of years.

The first public school of Cambridge, Mass., to adopt the use of the stereopticon is the Harvard school. The contract for the complete electric light apparatus has been awarded to A. T. Thompson & Co., 26 Bromfield St., Boston, Mass.

A new article brought out by the Holly Silicate Slate Co., Silicate Book Slate and Blackboard manufacturers, 203 Front St., New York, is an Object Lesson Slate, single and double leaf, and book slate. This is an antiseptic slate intended for lead and



slate pencil use requiring no moisture whatever to erase pencil marks, and dry cloth will do the work. This it is believed by the manufacturers will eventually do away with paper pads in the schools.

The Object Lesson Slate has a numeral frame attached to the upper portion and forming a part of the frame. The device is intended to explain the composition of numbers and their fundamental processes. Where the balls are counted and moved one at a time, every ball stands opposite its name, or the figure which stands for it. When the balls are added, subtracted, or multiplied, the process is followed by the answer. The same device may be had in blackboards two by three feet in size.

Those wishing samples can obtain them from the main office or our Chicago representatives. The Standard School Furnishing Co., 45-47 Jackson St., Chicago, Ill.

Brown University has recently installed, in Manning Hall, a complete electric light stereopticon of the latest design and construction. The apparatus is fitted with the improved 90° arc lamps and is operated on the city electric light alternating system of 52 volts. The complete apparatus, together with all construction work was furnished by Messrs. A. T. Thompson & Co., 26 Bromfield St., Boston, Mass.

We learn that the Standard School Furnishing Co., of 45 and 47 Jackson St., Chicago, who have theretofore acted jointly with the firm of H. B. Dodge & Son in handling the product of the Burlington Venetian Blind Co., of Burlington, Vt., have now secured the exclusive western sales agency. The hustling abilities of this young firm are very much to its credit, having furnished, in the western territory alone, upwards of fifty thousand square feet of the Burlington Venetian blinds during the past year, nearly all of which have been placed in new school buildings. They should also be congratulated in securing the agency for the Burling-

ton company, who are pioneers in the business and we understand own valuable patents covering important features in the Venetian blind manufacture. The extensive business and the reputation for first-class goods which they have built up has made the "Burlington" almost inseparably connected with "Venetian blinds." It is claimed that these blinds are vastly superior to shades as the slats can be adjusted so as to admit light at any part of the window, and, at any time, whether entirely or partially excluding the light, the air can pass freely through, thus affording superior ventilation. Ventilation is an important item in the school house but diseases of the eye are so on the increase among school children, in consequence of poor light or methods of controlling the light that are not adapted to the purpose, that the question of light and the proper control of same is of scarcely less importance than ventilation and heating. Many school rooms are poorly lighted and quite a number have light that is much too strong and is as injurious as too small an amount of light. It is, therefore, evident that sufficient light should be provided and then controlled in a suitable manner; and it seems that this can be done to perfection with the Burlington Venetian Blinds, the increased sales of which are evidence that the claims are well borne out.

School Furniture.

The American Desk and Seating Co., of Chicago, which was closed by the sheriff some time ago has resumed business. Mr. F. W. Dickerman is again conducting the business.

G. A. Bobrick, who owned and managed the Bobrick School Furniture Co., of Boston, has, it is said, resumed the profession of civil engineering, which he followed before engaging in the school furniture business.

Mr. Sanford, of the Grand Rapids School Furniture Co., was confined to his home last month with a serious illness. He is now rapidly improving.

Frank Billmeyer represents the U. S. School Furniture Co. in New York city.

Racine, Wis. Contract for botanical tables and chairs awarded to Thomas Kane & Co.

Newtown, N. J. The board of education recently placed a large order for the Frictionside adjustable desks with the Grand Rapids School Furniture Co., Grand Rapids, Mich.

Thomas Kane & Co. report business unusually good in all departments and an increasing demand for their popular Victor school desks, sales so far this year being far in excess of any previous season. With enlarged facilities, they are making preparations to supply the increased trade expected this season.

Toledo, O. The school desk contracts were awarded to the Piqua School Furniture Co., and the Manitowoc Seating Co.

Cedar Rapids, Ia. School desks purchased from the U. S. School Furniture Co.

Queens, N. Y. School furniture contract given to Thomas Kane & Co.

Racine, Wis. The Victor adjustable chair desk.

Shell Rock, Ia. The board has purchased 150 ball bearing automatic desks of the Grand Rapids School Furniture Co., Grand Rapids, Mich.

Among the contracts recently filled by Thomas Kane & Co., was the seating of a new school at Harrison, N. Y., a very fine structure and furnished with quartered oak desks.

Flint, Mich. School furniture purchased from the Grand Rapids School Furniture Co.

Carlisle, Pa. Contract for settees for chapel in Indian school awarded to Thomas Kane & Co., Racine, Wis.

Austin, Tex. Contract for 300 ball bearing automatic desks awarded to the Grand Rapids School Furniture Co.

Framingham, Mass. The Grand Rapids School Furniture Co. was awarded a contract for 200 Frictionside adjustable chair desks.

Salem, N. C. Contract for 200 ball bearing desks awarded to the Grand Rapids School Furniture Co.

Pacolet, N. C. The board has purchased ball bearing school desks manufactured by the Grand Rapids School Furniture Co.

The North Carolina Institute for the deaf and dumb have purchased ball bearing desks from the Grand Rapids School Furniture Co.

Rock Island, Ill. School desks to the amount of nearly \$400 purchased from the U. S. School Furniture Co.

Orangeburg, S. C. Contract for school desks was secured by the Grand Rapids School Furniture Co.

Chicago. Contract for 1,000 teacher's desks was awarded to the Wabash Church and School Furniture Co.

Massillon, O. School desks purchased from the Favorite Desk & Seating Co.

Erie, Pa. The board of education has purchased 300 ball bearing school desks, also 300 ball bearing adjustable school desks from the Grand Rapids School Furniture Co.

The parochial schools of Erie, Pa., have ordered 400 ball bearing school desks from the Grand Rapids School Furniture Co.

Grand Rapids, Mich. The Grand Rapids School Furniture Co. has shipped 1,100 ball bearing school desks to San Francisco, Cal.

Delaphone, Va. The school board has purchased ball bearing desks from the Grand Rapids School Furniture Co.

Farmington, Me. State normal school seated with Victor adjustable desks manufactured by Thomas Kane & Co., Racine, Wis.

Topeka, Kan. A contract for 200 ball bearing automatic desks was secured by the Grand Rapids School Furniture Co.

Salem, N. H. The board of education has placed an order with the Grand Rapids School Furniture Co. for 150 double separate ball bearing automatic desks.

The Potter & Putnam Co., of New York City, the well known school furniture and supply dealers, will hereafter act as Eastern representatives of Thomas Kane & Co., Racine, Wis., in the sale of school furniture, opera chairs, etc. This will enable the latter firm to handle to better advantage than ever before their rapidly growing trade in the East. School boards contemplating purchasing furniture will find it to their interest to correspond with Thomas Kane & Co., or the Potter & Putnam Co., before placing their orders elsewhere.

Baltimore, Md. The dispute over the types of adjustable desks to be placed on the furniture contract list has been settled, the board of education deciding to adopt the Manhattan, Buffalo, Trenton, and Rohrer desks.

Estherville, Ia. The board of education, after investigation, decided to buy the ball bearing school desk manufactured by the Grand Rapids School Furniture Co.

Ypsilanti, Mich. The board of education is much pleased with the combination adjustable desk made by the Grand Rapids Seating Co.

Marionville, Mo. The collegiate institute has placed a contract with the Grand Rapids School Furniture Co. for their ball bearing desk.

West Point, N. Y. The school board has contracted with the Grand Rapids School Furniture Co. for the ball bearing school desks.

Florence, Ala. The ball bearing school desk, manufactured by the Grand Rapids School Furniture Co., were purchased.

Americus, Ga. Contract for 500 ball bearing school desks awarded to the Grand Rapids School Furniture Co.

Plains, Ga. The Grand Rapids School Furniture Co. secured the school desk contract.

E. W. Russell has severed his connection with the United States School Furniture Company, and will hereafter travel in the interest of the A. H. Andrews Co. Mr. Russell is well and favorably known as a school furniture salesman. He will push this line for the Andrews Company.

REMOVAL NOTICE.

We have removed our kindergarten supply store from Nos. 211-213 to Nos. 195-197 Wabash Ave., N. W. corner of Adams St., third floor.

With more light and better facilities every way for transacting our business we shall welcome orders and calls from all our old customers and also hope to have many from new ones.

Send for our eighty-page catalogue of kindergarten materials and primary school aids. Thomas Charles Co., No. 195-197 Wabash Ave., Chicago.

BOOK REVIEWS.

PRINCIPLES OF ENGLISH GRAMMAR. By G. R. Carpenter, Professor of Rhetoric in Columbia University. Cloth, leather back, 250 pp., 75c. Macmillan & Co., London, New York, Chicago.

Prof. Carpenter is already well known for his two practical rhetorics; one for high school and the other for college students. This grammar is intended for high school pupils, who have passed the elementary stages of the study. Yet the phraseology is so clear and simple that it could be easily comprehended by an eighth grade pupil. The divisions of grammar to which the author devotes the largest part of his treatment are classifications of words, forms of words, and syntax. He has a chapter at the close on analysis of sentences, and one at the beginning on the English language. Orthoepy and orthography he relegates to the dictionaries, except in-so-far as orthoepy is treated of in an appendix on phonology by E. H. Babbitt, of Columbia University, the secretary of the American Dialect Society.

If the "crux of a text-book on English grammar is the treatment of verb-phrases," then this is a clear and logical book. First he clarifies a point over which the students' mind is often confused, by making three general classes of verbs: transitive, intransitive, and verbs of incomplete predication. With such a classification the pupil is not liable to the error of calling the verb *to become* transitive. He uses the terms consonant and vowel verbs, as giving a better description of the changes to form the preterit tense than regular and irregular, or weak and strong. The auxiliaries are treated, first, as defective verbs; then as one of three divisions with verb-phrases, and verbals. Although he states that verb-phrase strictly means any form of the verb consisting of more than one word, he, yet, puts under this division only the emphatic and progressive forms, preferring to put the other phrases into the regular tabular conjugation of the verb. The conjugation of the verb is the only tabular inflection given, so that the appearance of the book to one glancing hastily through it, is that of a book on rhetoric rather than grammar. The author, however, in the text carefully distinguishes between the art of rhetoric and the "science" of grammar; for where two different forms of expression can be used, he presents both, leaving to the judgment of the speaker the choice. He avoids any categorical statements that certain usages occurring frequently in literary and colloquial English are wrong. For instance, he gives the reasons for and against the use of "it is me," and says that this "has become a stereotyped, idiomatic, colloquial expression used by the mass of the people." "It is I," is, however, likely to retain its place in literary English as a more solemn or impressive expression, though not to the exclusion of the other phrase." Take the book all in all, it is a very simple and practical exposition of the principles of English grammar, with nothing in it either superfluous or pedantic.

I. M. S.

MANUAL OF PARLIAMENTARY LAW. By J. A. Lyons. Published by O. M. Powers, Chicago.

This little work is exceedingly convenient for a clear, concise, and accurate explanation of the methods of organizing and conducting the business of societies, conventions, and other deliberative assemblies. The aim of the author has been to place all matter pertaining on any subject in one chapter. It is especially well adapted as a text-book for schools and colleges, one of the features being an illustration how the subject of parliamentary practice may be taught in classes.

CHRIST'S METHODS OF TEACHING. By C. S. Coler, Principal of Sandusky High School. Paper, 13 pages, 25c.

A little book showing that Christ's methods of teaching are applicable to every kind of teaching. He taught by parables, illustrations; he created an interest in his listeners and held their attention; he appealed to the heart; love of truth is contagious;

he was positive; he knew whereof he spoke; he was patient. One who is full of the subject can afford to be patient. Naturally he is enthusiastic, and his enthusiasm is contagious. Christ was liberal. He had faith and unlimited sympathy. All these are qualities that, combined, will insure success in any teacher.

MODES OF MOTION, or Mechanical Conceptions of Physical Phenomena. By A. E. Dolbear, Professor of Physics, Tufts College. Cloth, 119 pp., 75c. Lee & Shepard, Boston. Des Forges & Co., Milwaukee.

The investigation of students of physics and chemistry have led to the modification or abandonment of former theories. Long ago it was held that matter was indestructible, no matter what changes it may undergo. Later it was discovered that force—energy—cannot be destroyed. It may manifest itself as gravitation, heat, light, electricity, but these are but different forms of the same "thing." Prof. Youmans declared that this is the greatest thought that the human mind is capable of conceiving. Then the theory was advanced that instead of having seventy-odd different elementary forms of matter, these elements were different combinations of some one, possibly two, initial elements. Now the theory is advanced that the beginning of matter is a disturbance or "vortex" in ether, the imponderable something that fills all space and serves as the medium for the transmission of waves of light and heat, themselves but modes of motion. This ether cannot be detected by any of our ordinary senses. But it is necessary to suppose its existence. It is indispensable to an explanation of phenomena. The author intelligently discusses these phenomena and draws conclusions as to the properties of this ether. These investigations greatly enlarge one's views of the possibilities in nature. "There are more things in heaven and earth than are dreamed of in our philosophy." W. H. B.

THE ELEMENTS OF GEOMETRY. By Henry W. Keigwin. Published by Henry Holt & Co., New York. Price \$1.

In the preparation of this book, the author undoubtedly had in mind the saying *In medio est tutum*. He has eliminated those elaborate proofs which foster mechanical study; he has likewise avoided the other extreme of placing before the pupil a syllabus which contains no proofs whatever. The method pursued is the suggestive which draws out the reasoning faculties of the student. The early propositions are proved at length in order to serve as models for the pupil. These lengthy proofs are gradually removed in order that the pupil may be thrown on his own resources. The constructions are established before they are used in demonstration. This arrangement also emphasizes drawing as a valuable aid in geometry. F. L.

OUR INDUSTRIES: FABRICS. By Albert E. Winship. Boards, 44 pp. New England Publishing Co.

A little volume in the second series of Teachers' Help Manuals. The earlier books on geography dealt with the visible features of the earth, with many tables of facts. Later came the physical geography, teaching that environment had its influence in the history of mankind, and that the earth should be studied as the home of man. Later still the study of geography has been made to include whatever affects the interests of mankind. This book is an aid to teachers in giving to their pupils information on the various fabrics made of wool, cotton, silk, and linen, with the process of making, history and facts showing the importance of these industries. It is illustrated.

LAIRD & LEE'S COMBINATION MEMORANDUM BOOK FOR THE VEST POCKET. Leather, gold edge, 25c.; leather paper, 15c. Laird & Lee, Chicago.

Fills a long-felt want. 1898—Calendar—1899. Identification card, reminders for daily use, help in accidents, weather signals, poison antidotes, postal rates, interest laws and tables, population of states and cities, values of foreign coins, electoral vote, presidents, states and territories, wars of United

States, weights and measures, cash book, etc., etc. Specially prepared for the traveling public. Ruled for convenient use.

GREAT TRUTHS BY GREAT AUTHORS. A Dictionary of Aids to Reflection. Published by J. B. Lippincott, Company, Philadelphia.

This work contains a choice collection of the remarkable utterances and writings of the great men among all nations, but chiefly from the distinguished men among the Anglo-Saxon race. The compiler has put in a convenient form for reference and consultation, a mine of ennobling thoughts of inestimable value to everyone. The production of this work deserves the highest merit and will be greatly appreciated by all who have literary inclination.

THE PLANT BABY AND ITS FRIENDS. By Kate Louise Brown. Published by Silver, Burdett & Co., New York, Chicago, Philadelphia. Price 48c.

The small children of to-day have every opportunity to enjoy "fresh fields and pastures new" in the line of choice and carefully-prepared books on nature study.

"The Plant Baby and Its Friends" is an attractive and dainty little book. It is filled with charming illustrations. The lessons consist, partly, in animated talks and dialogues, and, partly, simple stories in which the plants are personified. The style is simple; still the author has deemed it fit to introduce a number of technical terms, believing that children at the age of six or seven can learn the use of such terms as cotyledons and corolla, etc., as easily as they can master the name of Angelina, their little mate's name. In a word the "kernel and shell" of this little volume is excellent. F. L.

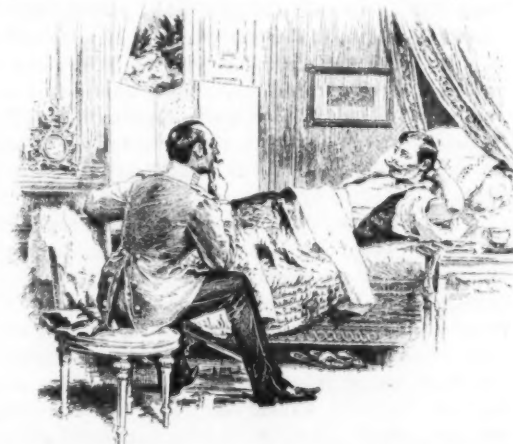
DE QUINCEY'S FLIGHT OF A TARTAR TRIBE. With notes and introduction by Geo. Armstrong Wauchope, M. A., Ph. D. Published by D. C. Heath & Co., Boston. Price 30c.

"The Flight of a Tartar Tribe" is too well known to the student of literature to need explanation in detail. It recounts the migration from China of the Kalmuck Turks (1771) to the frontiers of Russia. After a sojourn of many days in this new land, they longed for the "flesh-pots" of China. Their return "to the land of their birth" is as equally interesting and romantic as their emigration.

This historic event is told by De Quincey in the language of romance, of which he is master. His style is marvelous,—always inspiring; it is rich and stately. "The splendor of his imagery, his love of adventure, his broad sympathies, his dreamy romanticism—all appeal powerfully to the noblest intuitions of youth." F. L.

L'ABBE CONSTANTIN. Comédie en Trois Actes. Tirée du roman de Ludovic Halévy. American Book Company.

What makes a story or a romance available for the stage? A dramatic critic has expressed the opinion that a play is tried by the triple test of plot, character, and dialogue. The greatest of these is character. It alone can confer immortality. In



SPANISH CAPTAIN: "What was uppermost in your mind when you made your charge upon the Cuban insurgents?"

Lieutenant: A change in all the school geographies,

L'Abbé Constantin the sprightly talk, the happy denouement, the finely-drawn characters, have made a successful adaptation possible. The romance is, in the main, quite closely followed, though the two aspirants for the hand of Bettina are made, in the comedy, to arrange a duel. This gives the touch needed for stage effectiveness.

M. Victor Francois has edited for school use the original text. He has wisely seen fit to use the French language in the stage directions, the footnotes, the outline of the comedy, and the biographical sketch. But why did he not suggest to aspiring amateurs that, in an édition de luxe, many a valuable hint could be gained from the graceful illustrations of Madame Madeleine Lemaire? The fleur-de-lis design on the covers, the red lettering used in the title, are tasteful reminders of la belle France.

C. H. L.

INTRODUCTION TO THE STUDY OF ECONOMICS. By Charles Jesse Bullock, Ph. D., Instructor in Cornell University. Cloth, 511 pp. Silver, Burdett & Co., New York, Boston, Chicago.

There are not many text-books on the subject of political economy that are well adapted for use in secondary schools. The subject is a difficult one for immature pupils to understand. This book begins in a rational way,—with the earliest settlements and their conditions, the westward expansion, the various industries, and their varying conditions. The needs of the people lead to the industries. The labor necessary to supply the wants of mankind leads to the accumulation of wealth. Facts and conditions are stated before conclusions are reached or theories put forth. Production leads to exchange, and for this exchange money is a necessary medium. The problems growing out of the use of money are discussed clearly. The author is independent in speaking of monopolies, as well as in discussing other questions. There are different opinions on many subjects before the people at the present time. The author endeavors to state both sides of these questions fairly. This style is clear and his statements right to the point. It is a very readable book. An extended list of authorities is added.

W. H. B.

THE KINDERGARTEN SYSTEM. Translated by Fanny Franks. Cloth, 253 pp., \$2. Swan, Sonnenschein & Co., London. C. W. Bardeen, Syracuse, N. Y.

This is the work of Alexander Bruno Hauschmann translated and adapted for the use of English kindergarten students. The original has been somewhat condensed in the translation by the omission of some passages, and giving a summary instead of the full contents of others. It is a very readable and interesting book, giving the origin and development of the system as seen in the life of Friedrich Froebel. Froebel's experiences as an educational reformer, going back to the beginning of the child's life, and his insight into all the influences that shape the child's character, have been an inspiration to teachers. It has been no less an inspiration to mothers. The mother's instinctive faculties give her an insight into the child's nature. But Froebel made a system of educational means and influences. Thoughtful persons who have the care of children, either in school or out of it, will find so many helpful suggestions in Froebel's teachings that they cannot afford to be unacquainted with them. The part of the publishers as well as that of the translator has been done in an excellent manner.

W. H. B.

BIBLIOGRAPHY OF EDUCATION. By Will S. Monroe, A. B., State Normal School, Westfield, Mass. Cloth, 202 pp. D. Appleton & Co., New York.

Vol. XLII. of the International Education Series, edited by United States Commissioner of Education, Wm. T. Harris, A. M., LL. D. The books of this series are in four general divisions,—history of education, educational criticism, systematic theories of education, and the art or practice of education. Under these four divisions, arranged in twenty-two groups, are classified books on educational matters, numbering 3,200. In the pedagogical library at

Leipzig are more than 66,000 books and pamphlets on the subject of education. The library connected with the bureau of education at Washington contains more than 50,000 books, and 150,000 pamphlets on educational subjects. Several of the states have collected extensive libraries. The author of this book has been for many years making a collection of such books as would be specially helpful to him as a teacher and superintendent. In making a catalogue of these for his own convenience, it occurred to him that a more extended list would be helpful to many others. This list of books so thoroughly classified, with addresses of publishers, has cost a vast amount of labor. As Anthony A. Wood has said: "A painful work it is, I'll assure you, and more than difficult, wherein that toyle hath been taken as no man thinketh, and no man believeth, but he that hath made the triall." Educators will thank the author for his work in preparing this list.

W. H. B.

LONGMANS' NEW TEXT BOOKS.

Messrs. Longmans, Green & Co. have just issued a collection of lists of books for school libraries which will be of interest to any one who wishes to begin or to enrich such a library. These collections range in cost from \$2.00 to \$50.00, and embrace a great variety of the best literature. In making the selections, the aim has been to include, besides pure literature, a number of books which correlate with and stimulate the regular studies of the school without suggesting study in any way.

The value of such library books is well shown in the chapter on libraries in a new book on "Teaching and School Organization," edited by P. A. Barnett. Chapters on most other subjects of interest to teachers are contributed by authorities in special branches, and teachers who would be abreast of the best thought with reference to teaching should not neglect it.

Another lately-published book for teachers from this house is Bates' "Kindergarten Guide," which is a book for all teachers and mothers who wish information about kindergarten. Never before has there been so full, varied, and detailed a treatment of the subject from the standpoint of teacher, parent, and child. No family in which there are little children should be without this sum of all kindergarten virtues. The completeness of the work and the lowness of its price are both in its favor.

Another work for teachers which has been published by this house since any of its books have been noticed in these columns is "Popular Readings in Science," by John Gall, M. A., LL. B., and David Robertson, M. A., LL. B., B. Sc., which is an attempt to present to the reader in a popular form some of the more important results of modern scientific research.

After these and other special books for teachers, the next most notable group of text books recently issued by Longmans is in the line of supplementary reading. First among these books should be mentioned "Parables; for School and Home," by Wendell P. Garrison, author of "What Mr. Darwin Saw," etc., etc. With twenty-one engravings on wood, done expressly for the volume by Gustav Kruell, and just ready. This book originated in a sense of the difficulty not merely of inculcating moral ideas, but of forming the habit of moral reasoning—that is, of fostering the growth of principle—in the young. A proper subtitle would be "Brief Readings in Applied Morals." The readings are also calculated to excite interest in history, geography, and biography. The work has already been adopted for use in a number of New England schools, while a Western city superintendent has suggested it for readings at the opening of school.

The extended use of Andrew Lang's "Stories and Fairy Tales in Schools and Libraries" has led to the preparation of special editions of three of his \$2.00 books at lower prices, and in other ways specially adapted for school and class use. These have met with a cordial welcome, one of them having been "ordered" by the text book committee for use in all the Boston high schools. Two others have just appeared, namely, the "Blue True Story Book for Schools," and the "Red True Story Book for Schools."

In science, "A New Elementary Inorganic Chemistry," by G. S. Newth, is expected to meet a demand for a less advanced work than the "Inorganic Chemistry," by the same author, which was published some two or three years ago, and is now in use in a large number of leading colleges and technical schools. A newly-published prospectus describing these and numerous other works in chemistry will be mailed to any address upon application.

Another prospectus just issued is an attractive pamphlet on "Text Books and Reference Works in English." The first book described in the prospectus is a new work by Professor Baldwin of Yale, entitled "The Expository Paragraph and Sentence," of which Professor Genung of Amherst College says that "It is a very clear, sound and sensible outline of what is perhaps the most central subject of rhetoric; the getting of a nucleus thought, and getting it started toward a systematic presentation." It is intended primarily for college classes, but can be used in certain high schools.

BOOKS RECEIVED.

Stepping Stones to Literature. By Sarah Louise Arnold and Charles B. Gilbert. A Third Reader. Published by Silver, Burdett & Co., New York, Boston, and Chicago.

Lincoln Literary Collection. J. P. McCaskey. Published by The American Book Co., New York, Cincinnati and Chicago.

School History of the United States. By John Bach McMaster. Published by the American Book Co., New York, Cincinnati and Chicago.

Milne's Mental Arithmetic. By Wm. J. Milne. Published by the American Book Co., New York, Cincinnati and Chicago.

Laird & Lee's Combination Memorandum Book. By Wm. H. Lee. Published by Laird & Lee, Chicago, Ill. Price, leather, gold edge, 35c; leather, paper, 15c.

The Science of Finance. By A. H. Craig. Published by the Financial Reform Club, Milwaukee, Wis. Price 35c.

Language Lessons. By Charles De Garmo—Complete. Published by Werner School Book Co., New York, Boston, and Chicago.

Stepping Stones to Literature. A Fourth Reader. By Sarah Louise Arnold, and Charles B. Gilbert. Published by Silver, Burdett & Co., Boston, New York and Chicago.

Common School Literature. By J. Willis Westlake, A. M. Published by Christopher Sower Co., Philadelphia, Pa.

An Algebraic Arithmetic. By S. E. Coleman, B. S. Published by the Macmillan Co., New York. Price 60c.

A History of the United States. By Wilbur F. Gordy. Published by Charles Scribner's Sons, New York City. Price \$1 net.

England and the Reformation. By G. W. Powers. Published by Charles Scribner's Sons, New York City. Price 50c.

Select Documents of United States History—1776-1861. By William McDonald. Published by the Macmillan Co., New York City. Price \$2.25.

Introduction to American Literature. By Henry S. Pancoast. Published by Henry Holt & Co., New York. Price, \$1.00.

Principles of English Grammar. By G. R. Carpenter. Published by the Macmillan Co., New York. Price, 75c.

Students' History of the United States. By Edward Channi z. Published by The Macmillan Co., New York. Price, \$1.40.

A Text Book of Elementary Botany, including a Spring Flora. By W. A. Kellerman, Ph. D. Published by Eldredge & Bro., No. 17 N. 17th St., Philadelphia, Pa.

The Unseen Hand. By Lawrence L. Lynch. Published by Laird & Lee, Chicago, Ill.

Crusoe's Island. By Frederick A. Ober. Published by D. Appleton & Co., New York City. Price 65c.

Poems and Tales. By Edgar Allan Poe. Published by Houghton, Mifflin & Co., New York, Boston and Chicago. Price, 40c.

MAGAZINES RECEIVED.

Scribner's Magazine for February. Published by Charles Scribner's Sons, New York. Price 25c.

The Atlantic Monthly for February. Published by Houghton, Mifflin & Co., No. 11 E. Seventeenth St., New York. Price 35c. per copy, \$4 a year.

Harper's Magazine for January and February. Published by Harper & Bros., New York and London. Price 35c.

The Arena for February. Edited by John Clark Ridpath. Published by Arena Publishing Co., Copley Square, Boston. Price 25c. per copy, \$2.50 per annum.

Self-Culture, for February. A Magazine of Knowledge. Published by the Werner Co., New York, Akron, O., and Chicago. Price 20c. per copy, \$3 per year.

Lippincott's Monthly Magazine for February. Published by J. B. Lippincott Co., Philadelphia, Pa. Price 25c.

The Child Study Monthly for February. Published by A. W. Mumford, No. 45 Auditorium Building, Chicago, Ill. Price 10c. per copy, \$1 per year.

The Cosmopolitan for January and February. Published by John Brien Walker, Irvington, New York. Price 10c. per copy, \$1 per year.

The American Monthly Review of Reviews for February. Edited by Albert Shaw. Published by the Review of Reviews Co., 13 Astor Place, New York. Price 25c., \$2.50 a year.

Kindergarten Review for February. A Monthly Magazine. Published by Milton Bradley Co., Springfield, Mass. Price \$2 per year.

The Forum for February. Published by the Forum Publishing Co., New York. Price 35c., \$3 a year.

Book Reviews for February. Published by the Macmillan Co., No. 66 Fifth Ave., New York City. Price 5c. per copy, yearly subscription 50 cents.

Literature, an International Gazette of Criticism, issued weekly. February 9. Published by Harper & Bros., New York City. Price 10c. per copy, \$4 per year.

MUSIC.

Brush Thy Thorns Away. Words and Music by Horace Huron. Published by C. L. Partee Music Co., Kansas City, Mo.

PUBLICATIONS.

Report of the Board of Trustees of Public Schools of the District of Columbia to the Commissioners of the District of Columbia—1896-1897.

Annual Report Board of Education, City of Auburn, for the school year ending July 31, 1897.

Omana Public Schools, Annual Report of the Board of Education for the year ending June 30, 1896.

A SCHOOL BOARD CONVENTION

IN THE UPPER PENINSULA OF MICHIGAN LAST MONTH.

Marquette, Mich., was the scene of a gathering of school board men and superintendents last month

that would have been a credit to any state in the Union. The attendance was good, the addresses able, and the discussions spirited.

Hon. Peter White, of Marquette, was selected president of the School Board Department, and Mr. T. P. Hartley, secretary. Among the members

of school boards were such familiar figures as B. W. Wright, E. F. Bradt, F. J. Eggen, F. Braasted, J. Trebilcock, of Ishpeming, J. D. Crawford, of Menomonie, etc. Supts. Hardy, Woodley, Cooley, Hammond, Wright, etc.

The first session opened with Hon. Peter White in the chair. The first paper read was by J. D. Crawford, of Menomonie, on the "Relation of the School Boards to the People." It contained valuable suggestions.

A paper, written by Dr. J. S. McLeod, of Ironwood, on "Some Hints for School Boards," was read by a substitute. It proved an able document.

The hit of the day was a paper by Wm. S. Mack, of Chicago, who spoke on "The School Board and the Teacher."

At the second session Supt. T. B. Hartley spoke on the "Selection of Teachers, or Who Shall Teach," and Wm. Geo. Bruce on the "School Board and the Press," while Hon. B. W. Wright read an able address on the "Tenure of Office of the Teacher." A spirited discussion followed the reading of each paper. The principal papers read will appear in these columns at an early date.

MISSOURI SCHOOL DIRECTORS' CONVENTION.

The Association of School Directors of the State of Missouri will convene in convention on the 22d and 23d day of April, at Carthage, Mo. Much enthusiasm has been awakened in all parts of the state among school board members and a large gathering is anticipated. A splendid programme will be forthcoming. F. G. Ferris, of Moberly, Mo., is the president of the Association.

In Germany the janitors of the schools do much of the actual organic analysis and they become so expert in this line of work that professors turn over a great deal of the actual analysis to them. There is more than one scientific treatise filled with work that the janitor performed.



Jucundum nihil est, nisi quod refert varietas.—Lord Bacon.

RAISING THE STANDARD OF BOOKMEN.

EDITOR SCHOOL BOARD JOURNAL:

I have been a careful reader of your most excellent paper for some years and have taken a great interest in the many valuable suggestions you and your correspondents make from time to time. I am interested in the discussion that has been going on with reference to what title should be applied to representatives of publishing houses. I rather incline to the name "advocate." I prefer anything to "book agents," for that is a misnomer, and I trust the older and leading men in our profession will agree on some good title and then adhere to it. The younger men, I feel most certain, will acquiesce in it.

There is another very important subject which I would like to see ventilated in your valuable Journal. I am satisfied if you take it in hand with your usual vim you will obtain some good, permanent results from such a discussion. It is "How to raise the standard of the profession of the book advocate," representatives of publishing houses, or by whatever name you choose to designate us. Some months ago I read a valuable suggestion, made by the manager of one of the leading school book publishing houses in the country, to the effect that the publishers and their representatives could very materially raise the standard of the representatives if they could unite their efforts in the proper direction. If the publishers will initiate a movement in this direction, I am sure their representatives will do all in their power to aid them. Let the publishers employ only educated, reliable, temperate gentlemen, men who expect to make this business their profession if they find they are adapted to the work. Do this Messrs. Publishers, and your trusted, respectable representatives will not have to blush almost to tell their occupation. Do away with all the army of commission men, who in some localities have brought dishonor on their co-laborers and very little credit to their employers. Employ a sufficient number of men to transact your business in a reputable way and you will soon find only reputable men will apply to you for these positions. You can hardly imagine, unless you were in the field how disreputable a few irresponsible, short-term men may make our business appear in the eyes of the community. A body of men are too often judged by the actions of a few.

Another growing evil which you, and you alone, can stop and which, if not eradicated, very soon will change your business entirely, and which is doing more in some states in the direction of state publication than all other causes combined—I refer to the employment of teachers to work books. No man honors the profession of teaching more than I do, but I think the teacher should stand by his profession and be ready to give an unbiased opinion to his board of control or superintendent upon the merits of books for the schools, which it would be more than human for him to do if he were in the employ of a publishing house. I have heard many of the best teachers in my state say they regretted to see teachers, for the pittance they received during vacation months, surrendering so much of their manhood. Then, look at the position in many of the larger cities where teachers select the books? In such cases, is it proper or becoming for a teacher to be in the employ of a publishing house? Is it any wonder the business is becoming demoralized and we are being looked upon with suspicion by very many good teachers and superintendents? What say you, Messrs. Publishers, are these subjects worthy your attention? The Journal can

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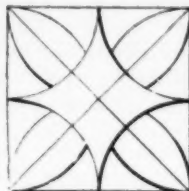


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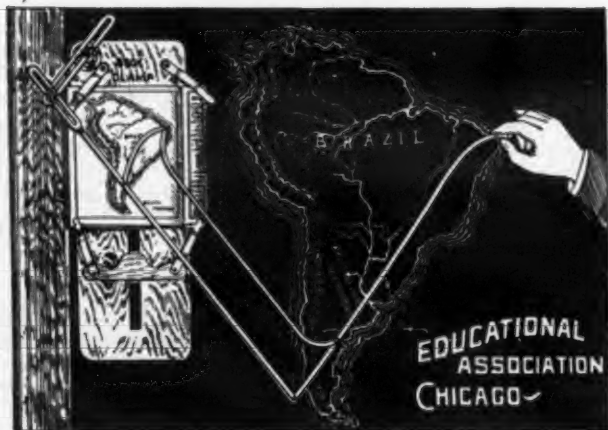


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find out whether or not these statements are true in our larger cities by writing to the president of the board of education, say in Brooklyn, New York, Cincinnati, Chicago, Philadelphia, Baltimore, etc., and ask if it is their policy to allow their teachers to act as the agents of publishing houses in the introduction of books into their schools. I am informed that in some states this evil has grown to such an extent that legislative action has been taken and that it is declared a misdemeanor for anyone officially connected with the public schools to act as agent for any publishing house. Can you tell us in what state or states they have such a law, if any? I hope to hear from publishers and others interested in educational matters.

PELICAN.

A Western school superintendent writes us: "What has become of Judge Wm. Clendenin who used to represent Ginn & Company and the American Book Co.?" He now represents the latter company in New York City.

John Skoles has severed his connection with the educational department of Rand, McNally & Co. He was for many years connected with the American Book Co., and went with the Rand, McNally Co. about two years ago. The educational department of the last named company will henceforth be in charge of Captain Bowen, the author of the Rand, McNally geographies.

Frank A. Fitzpatrick: Book Agents vs. Book Advocates. I can not see that anything can be achieved by such a change in term. The world fixes the appellation that is given to a calling. Personally I have never felt aggrieved at the term Book Agent. Many of the brightest men in the country have engaged in canvassing for the sale of subscription books. The best of them earn much more money than the best school book agent. I know many of them who are scholarly, gentlemanly, and in every respect admirable. There are fakers in every business, even this of ours.

No calling, no epithet applied to a calling can degrade or lower the man who is able and competent if he attends strictly to his business. In my judgment, if every member of our fraternity would cease his habit of vilifying his brother agent, stop spreading slanderous statements about competing firms, and tell the truth instead of uttering disgraceful innuendoes, he would not need to worry about the term applied to his calling.

Again, it may be necessary some times for an agent to indulge in a bit of sharp practice to carry a point. It is done in many other callings, but I have never known a representative in any other calling to boast of such tactics. It is a questionable policy at any time to conduct a campaign upon such a basis, and one ought to be heartily ashamed of participation in such a conflict, not proud of it.

Let us conduct our business, representing our respective firms, as a high class attorney represents his client, and in a very short time the beneficial results will be apparent.

R. M. Truax, a school book agent living in Toledo, O., has sued the News, a daily newspaper of that city for \$50,000, for defamation of his character.

The Macmillan Company, of New York City, is not an English concern, as is generally supposed. The company is incorporated under the laws of New York, and publishes the works of American authors. Mr. Brett is the general manager, while Dr. Sevenoake is at the head of the educational department. The Macmillan Company also acts as the American agents for the productions of the English firm of the same name. The Chicago branch is managed by A. W. Macy, who was for many years with S. C. Griggs & Co. He is assisted in his work by C. R. Long.

"The tendency in some of the Western states," said W. E. Pulsifer recently, "to introduce school books solely on the basis of price is deplorable. There are books and books, as every intelligent school board knows. I mean that there is a difference in books. A jumbled mass of manuscript may

be put into book form by any job printer, and sold for a school text. The price on a book so prepared can not serve as a criterion. Authorship—able authorship must be paid—and good books cannot be produced at the price of a job printer's product. Nor can, as must be evident to every one, a poor book do the service of a good one. The educators as well as the school boards of the country ought to set their faces against all shoddiness and cheapness in the selection and purchase of school books. Not only good books, but the best books, should be selected."

Gifford H. G. McGrew: "Agent" is good enough for me. In my opinion, it is the man that dignifies or degrades the calling; the name of his vocation is of small account, provided he does his work in an honorable way. "Bookman" is a designation that seems to meet with much favor in this section, and is the name I should prefer, if any change is to be made.

W. S. Smyth, Sr., Manager D. C. Heath & Co., Chicago: The title "Book Agent" is as good as any. "Book Advocates" would be less satisfactory. There would be nothing left except "Drummer." In my opinion "School Book Agent" would be the most appropriate. It is a title that exactly expresses the idea. It is an honorable title, and is worn by a host of bright, educated and honorable men. If ignorant school officials, or third and fourth rate teachers and superintendents don't know that, so much the worse for them. If any of the brethren are getting ashamed of their calling, let them get out. Do not let us give up the good old name "Book Agents" and make geese of ourselves by adopting some high sounding title that would be as meaningless as pretty.

The bookmen who attended the School Board Convention, of the Upper Peninsula of Michigan, were A. L. McLaughlin, Sheldon & Co.; F. M. Kendall, Ginn & Co.; Wm. S. Mack, Prang Educational Co.; A. H. Porter, Werner School Book Co.; S. B. Todd, American Book Co.; and W. F. Newkirk, Houghton, Mifflin & Co.



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THE DEVELOPMENT OF AN INDUSTRY.

J. M. SAUDER'S LABORS IN THE SCHOOL FURNITURE INDUSTRY BRINGS TO LIGHT MANY INTERESTING FACTS.

It was during the years of 1877-78 that J. M. Sauder, the president of the J. M. Sauder Co., of Philadelphia, was first brought in touch with the Buffalo Hardware Co., of Buffalo, N. Y., who were then manufacturing the Paragon school desk. After placing some orders for the company he was prevailed upon to accept a general agency for the sale of the Paragon desk throughout Pennsylvania, New Jersey, Delaware, and Maryland. At that time



J. M. SAUDER,
Philadelphia, Pa.

the desk was in rather a crude shape and Sauder's mechanical ingenuity was set to work towards improving it.

In 1880 he located his headquarters in Harrisburg, Pa., and soon found himself busy in fierce contests, but many victories were secured in his favor for the Paragon. In a few years the Paragon stood at the head of the list, having practically displaced the "Triumph" desks then controlled by the A. H. Andrews Co., of Chicago and New York, and who prior to that time had been strongly entrenched in that territory. A proposition from the Andrews people to the then Buffalo School Furniture Co., for a truce was accepted. The agents who had helped to establish the trade and standing of the Paragon desk with their own time and expense, naturally were displeased. The edict, however, went forth, and Mr. Sauder was to be turned over with the rest of the selling fraternity to the competitors against whom they all had years of hard struggling.

Preferring a small commission and be his own master, Mr. Sauder roused up once more his mechanical abilities and inventive genius which had been lying dormant for some years. The result was the "Orion" school desk, which was invented and designed by him. In 1887 he erected a new factory at Bloomsburg, Pa., where a similar concern had been destroyed by fire. Patterns had to be made, special machines had to be invented, new men to be edu-

cated in doing all the difficult parts of the work from the dry kiln or lumber pile through the factory in all its details, varnishing and finishing of wood work, through the foundry, machine shop and Japanning ovens, etc. All this work lay upon his shoulders, the organizing of the agents throughout the territory, educating the office help, etc.

During the first eighteen months a trade was established, the field largely redeemed by the introduction of the "Orion" desks in the place of the Paragon, when another fire swept the entire plant, entailing heavy losses on all interested. Hopes were again dashed to the ground, but with an undaunted spirit and a perseverance that never faltered, the drawing instruments were once more taken in hand. An entire new plant was designed, new machinery with much greater advantages over the old, invented and built. It was soon equipped in the most convenient manner of any manufacturing plant. More years of hard work followed in building up the business. Owing to an insufficient capital in the company to push the business as vigorously as he desired, Mr. Sauder sold out his interest and his rights in the patents and inventions for the East, and then went West and soon succeeded in organizing another company.

The manufacture of school furniture under the same patents and inventions at Springfield, Ill., (The Springfield Furniture Co.) with the money realized on the sale in the East for the eastern territory, was begun. Once more he went through all the details of the building and equipping a new manufacturing plant. He resigned, however, as general manager of the company, and all his interests remained in the corporation.

He next secured a situation as general manager for a manufacturing company, backed by a Land Investment Co., at Roanoke, Va., about 1892. After designing the plans for buildings and commencing on the construction of the same the company was forced to retrench on account of the general collapse of business throughout the South. In consequence, Mr. Sauder found himself once more out of a "job." The panic which then swept the country limited materially the opportunities to engage in manufacturing.

The United States School Furniture Co. was organized about this time. Sauder reasoned that if he could not manufacture school desks he could sell them. He arranged to sell school furniture throughout his old territory for the Cleveland School Furniture Co. He succeeded in selling furniture at satisfactory prices and withstand the competition waged by the United States School

Furniture Co. This continued until several years ago when the various companies succeeded in reaching an understanding and divide up the territory. As a consequence he was unable to secure any furniture to supply his trade. Doing business in the name of J. M. Sauder & Co., at Roanoke, Va., for a time he moved his business to Philadelphia in 1893, and with several years of hard work, finally found him as above stated.

Not content, however, to lay down and discontinue the business, he devoted considerable attention to metallic fittings, and assisted in securing the contract for furnishing metal shelving for books in the State Library at Harrisburg.

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For Sale by all Druggists.

In the meantime his spare moments were taken up in designing a new line of school furniture. He felt that there existed a strong growing demand for a higher grade of goods, a desk adapted to the health and comfort of the pupils, something that could readily be adjusted to requisite height, etc. This opened a new field for his inventive turn of mind. Poor and in debt, he never for a moment faltered but pressed on, knowing that it was a long lane that had no turn, seeing the weak and objectionable features in some of the adjustable desks then in the market. Many were complicated, cumbersome and crude, requiring the aid and help of two or three to adjust a desk, and Mr. Sauder saw that he could invent a desk that could be instantaneously adjusted by anyone, and from either side of the desk. An adjustable desk and separate chair with but one bolt in their entire construction, was the result.

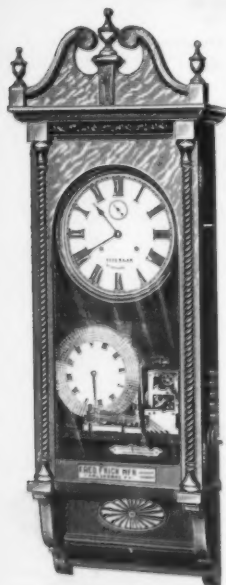
In this desk Mr. Sauder holds "that its parts will never work loose, and that it is more permanent than any other style or standard desk, that it is handsome and bold in appearance at every point of adjustment, nothing to detract from its beauty or symmetry." Through the year '96 and '97, he succeeded in organizing a company (The J. M. Sauder Co.) and sold sufficient stock of the company (Capital \$200,000) to enable him to get out his new inventions. The necessary delays, however, prevented him from securing much business in the past season, although at Williamsport, the first place he submitted a sample of the new adjustable desk, he was awarded the contract for the desks in the two finest school buildings in that city.

Among the number of rooms furnished was one for a commercial department. This was furnished with his new adjustable commercial desks and which is giving the best satisfaction. Next was the contract to be awarded him for the new high school building in Stockton, N. J., where the new adjustable desks are also giving the best satisfaction.

With the encouragement thus received, the present company was organized, with J. M. Sauder, as president, M. R. Hoffman, of Marietta and Mayton,

Program Clocks

FOR SCHOOLS AND COLLEGES



FRICK'S

Automatic Electric

For all classes of Program and Time Service from the Rural School to the largest University plant. AUTOMATICALLY gives any number of programs.

All programs may be set or changed in an instant to suit requirements.

Is ENTIRELY AUTOMATIC. No hand switches to move to silence bells at night or to change from one program to another.

Is used by the leading Schools and Colleges of the country.

As it is impossible to but hint at its great pedagogical value here, don't fail to write for catalogue, testimonials and prices.



The Modern Disciplinarian.

No Progressive School can afford to be without one.

FRED FRICK, M'f'r.,

Lock Box 406.

Waynesboro, Franklin Co., Pa.

Maynard, Merrill & Co., Publishers of School Books. Catalogue Free.
48-47 E. 10th St., N. Y. Send for it.
H. I. SMITH, 55 W. WABASH ST., BOSTON. J. D. WILLIAMS, 151 WABASH AVE., CHICAGO.

Pa., wholesale dealer and packer of leaf tobacco, first vice-president, Phillip C. Schaffer, well known furniture manufacturer and dealer, of Philadelphia, as second vice-president, and S. B. Lenhart, of Mayton, Pa., contractor and builder, as secretary and treasurer of the company. Thus the enterprise surrounded and supported by a body of able business men, and having at their command one of the largest and best equipped foundries and machine shops in the country, in addition to a well equipped cabinet and furniture factory.

The company will make a specialty of high grade work only, and will maintain a uniform price for a first class article, believing it to be dishonorable to sell goods to one district at a loss in order to defeat some competitor in securing the order, and compelling the next purchaser to pay two prices for furniture to cover the loss of the first transaction.

It proposes to sell goods direct to school districts at the lowest possible prices consistent with the character of the work, and through agents of clean

character and standing only. The company also gives the assurance that orders placed in their hands either through their agents or the mails direct with or without quotations, will be filled at the lowest price. Upon these lines the company expects to establish its business. The long experience of the president has fully convinced him that there is but one way of doing business. Deal fairly and squarely by everyone under any and all circumstances, leaving no room for dissatisfaction anywhere. The methods usually employed by different "wild cat" companies will never hold out long. They make a big plunge and then suddenly disappear. School districts loaded up with cheap worthless furniture stand there as a monument to that class of manufacturers.

The J. M. Sauder Co. will also handle a full line of school supplies, slate and other blackboard surface, maps, globes, charts, etc., window shades and all furnishings for school buildings, but will confine themselves strictly to high grade goods. They will

take up a first class line or specialty, and will be pleased to hear from inventors or manufacturers, furnishing such materials that they do not themselves manufacture.

TEXT BOOK NEWS.

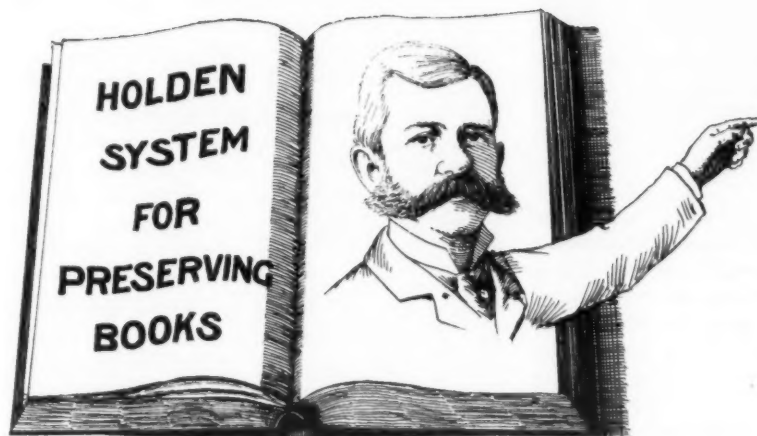
Milwaukee. The board refused to make an appropriation for the introduction of the free text-book system in the budget for 1899. Directors Immler and Black championed the proposition.

Worcester, Mass. The G. A. R. post here asked the school committee to remove a history because it is charged that unpatriotic and false statements are made in the work now being studied by the pupils.

Fitchburg, Mass. C. H. Ames, of the firm of D. C. Heath & Co., Boston, publishers of the natural system of vertical handwriting, gave an illustrated talk before the teachers of the public schools recently on the advantages of vertical writing.

Free Text Books! Your Greatest Expense!

USE THE



"HOLDEN SYSTEM FOR PRESERVING BOOKS,"

AND

*Double the Life of your Text-Books,
Promote Cleanliness and
Uniformity in the School Room!*

Book Covers, Self-Binders and Transparent Paper.

We Can and Will help any School Board Lessen their Enormous Annual Outlay for Text-Books. **1200** School Boards now using this System.

WRITE US, SO THAT WE MAY EXPLAIN THE "HOLDEN SYSTEM," WHICH PROTECTS BOTH THE INSIDE AND OUTSIDE OF BOOKS. Samples Free on Request. P. O. Box 643 W.

We continue the list of names of Cities and Towns who ordered of us this last year. (See January and February issues.) A great many School Boards order four or five times during the year, hence the repetition of names.

MANY LARGE CITIES AND TOWNS ARE IN THIS LIST.

York, Pa.
Tonawanda, N. Y.
Columbia, Pa.
Plainfield, N. J.
West Chester, Pa.
Bangor, Me.
Leet Twp., Pa.
Morristown, N. J.
Mauch Chunkboro, Pa.

Alburgh, Vt.
Allegheny, Pa.
Charlestown, S. C.
Mauch Chunk, Pa.
Taunton, Mass.
Slatington, Pa.
Taftville, Conn.
Middletown, Pa.
Lockport, Pa.

Womelsdorf, Pa.
Fitchburg, Mass.
Scottsdale, Pa.
Hammond, Wis.
Sharon, Pa.
Warren, Me.
Canton, Pa.
Portland, Ore.
Uniontown, Pa.

Falmouth, Mass.
Narberth, Pa.
Hartford, Conn.
Hellertown, Pa.
Detroit, Mich.
Sellersville, Pa.
Tiffin, Ohio.
Mechanicsburg, Pa.

Stockbridge, Mass.
Pittsburg, Pa.
Brookline, Mass.
Butler, Pa.
Waltham, Mass.
Titusville, Pa.
Muskegon, Mich.
New Brighton, Pa.

New Bedford, Mass.
Rockland, S. D., Pa.
Montclair, N. J.
Chester, Pa.
Colrain, Pa.
Oil City, Pa.
Sewickley, Pa.
Mechanicsburg, Pa.

ARE YOU NOT INTERESTED?

Holden Patent Book Cover Co.



An Earnest Student.

TEACHER: Now, George Washington Hackensack, you may describe the battle of Princeton."

G. W. HACKENSACK: Twenty t' ten—faver uv Yale.—Puck.

PROFESSOR: Margaret, please take the cat out of the room. I cannot have it making such a noise while I am at work. Where is it?

MARGARET: Why, sir, you are sitting on it.

After examining the school, the inspector, having a few minutes to spare, put a few questions to the boys on the common objects in the schoolroom.

"What is the use of that map?" he asked, pointing to one stretched across the corner of the room.

And half a dozen shrill voices answered in measured articulation:

"Please, sir, it's to hide teacher's bicycle."



Logic.

JOHNNIE: I don't believe George Washington ever had much fun.

TEACHER: Why?

JOHNNIE: 'Cause he never went fishing.

TEACHER: How do you know that?

JOHNNIE: 'Cause he never told er lie.

Discarded the Dictionary.

"I think I will have to buy you a dictionary," said the proprietor.

"You needn't bother yourself; I never use it," replied the typewriter.

"I didn't think you did."

"No, sir; I looked at one once, and—would you believe it?—every word was wrong!"

"Our public school system is doomed; that's what it is."

"Somethin' new goin' wrong, Weary?"

"Yes. They're talkin' of puttin' shower baths in th' schoolhouses."

Another wrote this note to the school teacher:

"Please don't teach my darter no fisiology. I don't want her to know about her innards."

Sauk Rapids, Minn. Board of education adopted resolutions upon the death of one of its members to which were added the following lines:

He has gone, but not forgotten,
We shall miss him from his chair,
But we hope that he is happy
In the land that's over there.

If there's such a thing as office
In the country where he's gone,
If they had his record here,
He'd be elected two to one.

State Superintendent of Schools, Stetson, of Maine, was visiting a school down in Pembroke, when he got into the pleasant mazes of nature studies and asked some interesting questions about the little things of the world about us: "How many seed compartments are there in an apple?" he queried. No one knew. "And yet," said the state superintendent, "all of you eat many apples in the course of a year, and see the fruit every day, probably. You must learn to notice these little things in nature. Now, perhaps some little boy who has driven the cows to pasture every day this summer can tell me on which jaw the cow has her teeth?" No answer. Rather was there blank astonishment, at last pierced by one little fellow volunteering the information that "our cow has teeth on both jaws 'cause she chews hay all up fine." "If that is so, my boy," replied the head of the state schools, "I'd advise you to sell that wonderful cow with teeth on both jaws to some museum. I'm afraid, children, that you haven't studied nature quite closely enough." You may be sure that the talk of the superintendent deeply impressed the children.



PARENT: But, Johnnie, your report is bad once more! What can I do with you?

JOHNNIE: Take a philosophic view, daddy. We all have our troubles.

700 KINDS OF LEAD PENCILS.

The Dixon Company make about 700 kinds of lead pencils.

Pencils of Many Shapes,
Pencils of Many Qualities,
Pencils for Drawing,
Pencils for All Purposes.

DIXON'S AMERICAN GRAPHITE PENCILS

Are standard and unequalled for smooth, tough leads. All schools are better schools when Dixon's pencils are used, as better work can be done as there is far less irritation of nerves. For further information, address

JOSEPH DIXON CRUCIBLE CO., JERSEY CITY, N. J.



What She Would Have.

TEACHER: You are painfully slow with figures, Tommy. Come, now, speak up quickly. If your father gave your mother a fifty-dollar bill, and a twenty-dollar bill, what would she have?

TOMMY: A fit.—Harper's Bazar.

They earnestly discussed the matter at recess time, and the teacher the next day overheard this conversation in the play yard. A little girl got some of her companions around her and gravely said: "Now, children, make believe that I'm Mr. Stetson. You've got to know more about common things. If you don't you'll all grow up to be fools. Now tell me," she said, looking sternly at a playmate, "how many feathers has a hen?"

A letter from an angry parent to the board of education of New York City on the subject of making new men to fill the spot made vacant by new women, by teaching them sewing, closed with the following argument: "I don't want my boy putterin' round sewing up holes in his sister's bloomers. That settles it. Do you understand."

CAMERA

\$1.00. \$1.00. \$1.00.

You can photograph anything. Instantaneous or time exposure. We prepare all apparatus, plates, chemicals, etc., you follow directions. Anyone with this camera can soon learn the art of photography. It will be a nice present for vacation. Get it now. Teach yourself. Prepared plates only 25 cents per dozen. Lots of fun for 2 cents. By mail \$1.00.

CAMERA

\$1.00. \$1.00. \$1.00.

If at any time within a year you desire to trade for one of our REPEATING cameras, we will allow you \$1.00 and take back the one you buy. The repeating camera is like a repeating rifle. You photograph one plate and instantly place another in position. No trouble or bother. You load it at home and snap the pictures at pleasure. Any child can handle it. This is a new device never put on the market before. \$2.00, \$4.00, \$5.00, according to size and number of plates.

AGENTS CAN MAKE MONEY.

Address, A. H. GRAIG, Mukwonago, Wis.

Liquid Food

.....easily digestible, naturally strengthening, refreshing and health-restoring. You get it in

Pabst... Malt Extract

The "Best" Tonic

Contains no drugs or chemicals, simply pure, rich, nourishing food, and the great natural vegetable tonic, hops.

Cures indigestion, nervousness, sleeplessness, and puts flesh on your bones.

Sold by all Druggists at 25c a Bottle, or \$2.50 Per Dozen.

COMPARATIVE TABLE OF TEACHERS' SALARIES IN SIX LARGE CITIES.

CITIES.		RANGE OF SALARIES FOR EIGHT YEARS.								PRINCIPALS		Grade Teachers.	
		1st	2d	3d	4th	5th	6th	7th	8th	Minimum	Maximum	Minimum	Maximum
CHICAGO	HIGHEST SALARY. LOWEST SALARY.	\$500 500	\$550 550	\$625 575	\$675 650	\$725 700	\$800 775	\$825 800	\$850 800	\$1200	\$2500	\$500	\$850
NEW YORK	HIGHEST SALARY. LOWEST SALARY.	\$720 504	\$1080 576	\$1350 756	\$1620 936	\$1890 1116	\$2250 1350			\$2750	\$3250	\$504	\$2250
BOSTON	HIGHEST SALARY. LOWEST SALARY.	\$972 552	\$1020 600	\$1068 648	\$1116 696	\$1164 744	\$1212 792	\$840	\$888-936	\$2580	\$3180	\$352	\$1212
PHILADELPHIA	HIGHEST SALARY. LOWEST SALARY.	\$500 500	\$580 530	\$610 560	\$640 590	\$670 620	\$700 650	\$730 650	\$760 630	\$1500	\$2700	\$500	\$760
BROOKLYN	HIGHEST SALARY. LOWEST SALARY.	\$400 400	\$450 450	\$500 500	610 550	\$700 600	\$750 650	\$830 700	\$1000-1200 750	\$1500	\$3000	\$400	\$1200
ST. LOUIS	HIGHEST SALARY. LOWEST SALARY.	\$650 400	\$700 440	\$750 480	800 520	\$850 560	\$900 600	\$950 650	\$1000 680	\$1500	\$3000	\$400	\$1000

LITERARY NOTES.

In a time prolific of new dictionaries the distinctive character and present standing of Webster's may well receive a fresh statement. Without invidious comparisons, the distinctive claim of Webster among its rivals may be given. That claim can hardly be better expressed than in the words of Hon. W. P. Reeves, Minister of Education for New Zealand: "Complete without being cumbrous, compact yet in no way scanty, the International Dictionary is both sufficiently scientific for the scholar and handy enough for the hurried man of business." Scientific accuracy, every-day utility and convenience, accepted authority, this is the combination of qualities in which Webster's International stands pre-eminent above all others.

Wilson & Webb, of Little Rock, Ark., who have been doing an excellent school supply business in the South, have gone into the school book publishing business. They have issued two books for use in the public schools of Arkansas, to-wit: History of Arkansas, by Hon. J. H. Shinn, Ex-State Superintendent of Public Instruction, and a book on Civil Government, entitled "Arkansas and the Nation," by Profs. Photon and Galbraith.

The subject of Phonography is slowly but surely finding its way into the public and high schools of this country. We have given, from time to time, the names of such schools having adopted the Isaac Pitman system and "Complete Phonographic Instructor," and now have pleasure in adding to this list as follows: Erasmus Hall High School, Brooklyn, N. Y.; Kansas City Manual Training High School; Salem (Mass.) High School; Plainfield (N. J.) High School; Public Schools of Tyrone, Pa.; Bayonne City, N. J.; West Hoboken, N. J.; etc. The method presented in the "Complete Instructor" has successfully borne the test of actual use in the public day schools of New York city for several years. An instructive little pamphlet entitled "A Plea for the Introduction of Phonography into Public Schools" will be sent to any one interested, by Messrs. Isaac Pitman & Sons, 33 Union Square, New York.

'ROUND THE YEAR IN MYTH AND SONG. By Florence Holbrook. Cloth, 12mo., 200 pp., 60c. American Book Co., New York, Cincinnati, Chicago.

Poetical selections are arranged to celebrate the seasons and the months, commencing with September, the beginning of the school year, and closing with Lowell's "A Day in June." These are embellished with very tasteful illustrations. The contents are varied, poetry and prose, stories, myths and songs. The selections are choice, making entertaining and instructive reading matter for third and fourth grades, and for children in the home as well, imparting a liking for the best literature, and an interest in the study of nature.

DEAFNESS & HEAD NOISES CURED
by my invisible Tubular Ear Cushions. Whispers heard. Warranted to help more cases than all similar devices combined. Help ears as glasses help eyes. Sold by F. HISCOP only, 855 Broadway, New York. Send or call for book of proofs FREE

Colorado. General Statutes: No religious test of qualifications shall ever be required of any person as a condition of admission into any public educational institution of the state, either as teacher or student, and no teacher or student of such institution shall ever be required to attend or participate in any religious services whatever. No sectarian tenets or doctrines shall ever be taught in the public schools, nor shall any distinction or classification of pupils be made on account of race or color.

Pittsfield, Mass. Ran out of the Holden Book Covers and recently ordered a new supply of them from the Holden Patent Book Cover Co.

We would call the attention of our readers to the new firm of Hathaway & Atkinson, whose advertisement appears in this issue of the SCHOOL BOARD JOURNAL. They started in business in Chicago, February 1, for the purpose of manufacturing and selling general school apparatus and supplies.

These young men have had many years experience in their line; Mr. Hathaway as manager of the school supply department of the United States School Furniture Co., and Mr. Atkinson as superintendent of agencies and special salesman for W. A. Olmsted. They will push especially maps, charts globes, blackboards, school stationery of all kinds, commencement invitations, programs, and souvenirs; diplomas, botany goods, and, in fact, everything needed for an up-to-date school.

bespeak for them a long and successful business career.

Brown school, Hartford, Conn. Ordered a supply of the Holden Book Covers from the Holden Patent Book Cover Co., of Springfield Mass.

TEACHERS' PILGRIMAGE.

A restful and instructive tour of 70 days to

EUROPE

ENGLAND, HOLLAND, BELGIUM, GERMANY, RHINE, TYROL, ITALY.

SWITZERLAND, and FRANCE, under the personal direction of A. De Potter, will leave New York on July 5th. Lectures on the History, Art, and Archaeology of countries and places. Total inclusive cost, \$415. Write for Teachers' Programme, FREE. Also other tours. Est. 1879.

A. DE POTTER, 1406 Broadway, N. Y.

THE BOLLES SASH

Revolves and Slides, affording the Maximum of

SAFETY, VENTILATION, SIMPLICITY, ECONOMY, DURABILITY, and UTILITY.

THE BOLLES TRANSOM

Is Unexcelled.

Bolles Revolving Sash Co.

150 Nassau St., New York City.



WORLD MFG CO. CINT. O.

AGENTS WANTED



SEND FOR A BICYCLE
High Grade '98 Models, \$14 to \$40.
GREAT CLEARING SALE of '97 and '98 models, best makes, \$9.75 to \$18. Sent on approval without a cent payment. Free use of wheel to our agents. Write for our new plan "How to Earn a Bicycle" and make money. SPECIAL THIS WEEK—40 high grade '97 models (slightly shopworn), \$10.75 each. "Wandering Wheel," a souvenir book of art, FREE for stamp while they last.

TURKISH BATHS AT HOME! Produces Cleanliness, Health, Strength, and a Beautiful Complexion.
QUAKER FOLDING HOT AIR BATH CABINET

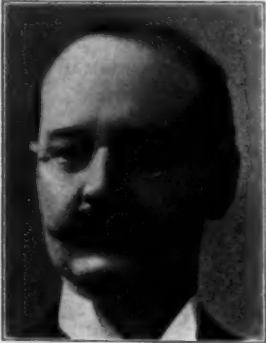
Nature's Health Producer and Preserver. Absolute Home Necessity. Superior to Water Baths. Saves Medicine and Doctor Bills.
Enjoy Turkish, Russian, Sulphur, Perfumed, Medicinal Baths in the privacy of your room at home or abroad. No experience. You work at home or travel. Everybody buys. Business men, families, physicians, stores. Over 97,000 sold. 9,000,000 to be sold. Patrons delighted. A lady in Pa. made \$44.50 in 12 days, besides attending to her household duties. Mr. Steele writes: "Will make \$2500 this year. Sold last 3 dos. in 11 days. Ship 5 dos. more quick." Mr. Tussell sold 339 Quakers in 87 days in Canada. Agents all making money. Ladies very successful. Failure impossible. We are responsible. Capital \$100,000.00. Largest Mfrs of Bath Cabinets in the world. Write today for book on home treatment, testimonials, agents' terms, etc. free. N. I. WORLD MFG. CO., Cincinnati, O.

FREE!

We feel so sure that we can positively cure COLDS, GRIP, CATARRH, DEAFNESS, Incipient CONSUMPTION, and all THROAT, CHEST and LUNG DISEASES that we will send you FREE a trial sample of our remedy with our 25-cent book on treatment by our Ozone Anti-Germ Inhaler. A boon to sufferers. Acts like Magic. Write to-day. LORING & CO., Dept. 36 Wabash Av. Chicago, Ill., 42 W. 22d St., N. Y. City, or 3 Hamilton Pl., Boston, Mass.

DETROIT'S NEW PRESIDENT OF THE SCHOOL BOARD.

The election of Mr. Wm. H. McGregor, by a nearly unanimous vote, to the presidency of the school board of Detroit has brought out many complimentary remarks from the daily papers and the general public of that city.



WM. H. MCGREGOR,
President School Board,
Detroit, Mich.

Said the Free Press: "His tendencies are liberal and he is earnestly devoted to the best interests of our city's school system. He will enjoy the full confidence and support of the board of education."

Dr. McGregor was born in Detroit in 1862 and educated in her public schools. On leaving the

high school he entered the Goldsmith Business College. He received the degree of LL.B. from the Detroit College of Law in 1895, and was admitted to the Supreme Court one year later. He is also a registered pharmacist and has been associated with Parke, Davis & Co. in an executive capacity for seventeen years.

He is a member of the Detroit Commandery of Knights Templar, 32d degree Scottish Rite Mason, and a member of the Mystic Shrine.

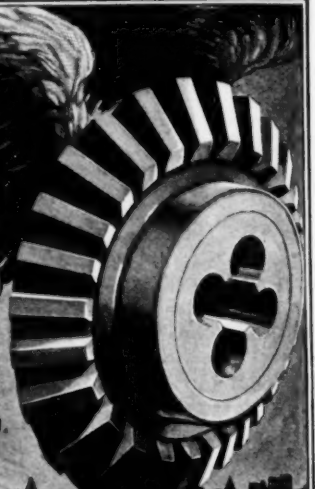
Mr. McGregor has the fullest confidence and esteem of Detroit's corps of public school teachers. He is progressive but not

HIGHEST PERFECTION IS REACHED IN THE COLUMBIA CHAINLESS BICYCLE

Price POPE MANUFACTURING CO.
HARTFORD CONN.

\$125.

CATALOGUE BY MAIL TO ANY ADDRESS FOR ONE 2¢ STAMP
OR FREE FROM ANY COLUMBIA DEALER.



CLOTHING SALESMEN WANTED.



\$150.00 per month and expenses made by all our active men. WE PAY MANY MORE. We want men in every county in the States. If your reference is satisfactory WE WILL START YOU AT ONCE. No experience necessary. No capital required. We furnish a full line of samples, stationery, etc. A tailor for the trade complete outfit for business. No Commission Plan, you can regulate your profits to suit yourself. No Home to Home Cases. This is not one of the many catchy advertisements for agents, but one of the very few advertisements offering a rare opportunity to secure strictly high grade employment at big wages. We are the Largest Tailors-for-the-Trade in America.

We make to measure over 300,000 suits annually. We occupy entire one of the largest business blocks in Chicago. We refer you to The Bank of Commerce, in Chicago, any Express or Railroad Co. in Chicago, any resident of Chicago. Before engaging with us, write to any friend in Chicago and ask them to come and see us, then write us if it is a rare opportunity to secure steady, high class, big paying employment. BETTER STILL—come to Chicago yourself and see us before engaging and be satisfied every word we say is true and you can get steady work and big pay. ENQUIRE OF OUR SALESMEN in your territory how our work pays. We refer to our many salesmen throughout the Union. THEY ALL TALK ALIKE. Any one of them will tell you how profitable, how pleasant, how easy the work is. Work in your own county 300 days in the year, and you can't make less than \$5 everyday above all expenses.

We want to engage you to take orders for our made-to-order and measure Custom Tailoring (Men's Suits, Pants and Overcoats). We put you in the way to take orders from almost every man in your county, a business better than a salary with \$3,000 stock. With us you have no competition.

We are the Largest Makers in America of Fine Custom-Made Clothing. We buy our cloth direct from the largest European and American Mills. We control the product of several woolen mills. We operate the most extensive and economical custom tailoring plants in existence, thus reducing the price of made-to-order suits to \$5.00 and upwards; Pants from \$1.50 to \$3.00, prices so low that nearly everyone in your county will be glad to have their clothing made to order and measure.

WE FURNISH YOU a large, handsome and expensive cloth bound book containing large cloth samples of our entire line of Suits, Pants, etc., a book which costs us several dollars to get up, also Fashion Plate, Instruction Book, Tape Measure, Business Cards, Stationery, Advertising Matter, your name on rubber stamp, etc. We also furnish you a Salesman's Key Confidential Price List. The prices are left blank under each description so you can fill in your own selling prices, arranging your profit to suit yourself. As soon as you have received your big sample book and general outfit and have read our book of instructions carefully and marked in your selling price you are ready for business and can begin taking orders from everyone in your town. At your low prices business men, farmers, laborers, and in fact every one will order their suits made. You can take several orders every day at \$3 to \$5 profit on each order, for everyone will be attracted at your low prices. Just take the orders and send them to us, we will make the garments within 8 days and

You Require No Money. send direct to your customers by express C. O. D., subject to examination and approval at your selling price, and collect your full selling price, and every week we will send you a check for all your profit, being the difference between our net confidential price to you and the price you sold at. You need collect no money, deliver no goods, simply go on taking orders, adding a liberal profit, and we deliver the goods, collect all the money and every week promptly send you in one round check your full profit for the week. Nearly all our good men get a check from us of at least \$40.00 every week in the year.

THE OUTFIT IS FREE. We make no charge for the big book and complete outfit, but as each many who would impose on us by sending for the outfit with no intention of working, but merely out of idle curiosity, AS A GUARANTEE of good faith on the part of every applicant, we require you to fill out the blank lines below, giving the names of two parties as reference, and further agreeing to pay ONE DOLLAR and express charges for the outfit when received, it found as represented and really a sure way of making big wages. The \$1.00 you agree to pay when outfit is received does not begin to pay the cost to us but insures us you mean business. We will refund your \$1 as soon as your orders have amounted to \$25, which amount you can take the first day you work.

Fill out the following lines carefully, sign your name, cut out and send to us, and the outfit will be sent to you at once:

AMERICAN WOOLEN MILLS CO., Enterprise Building, CHICAGO, ILL.

GENTLEMEN: Please send me by express, C. O. D., subject to examination, your Big Cloth Sample Book and Complete Salesman's Outfit. I agree to examine it at the express office and if found exactly as represented and I feel I can make good big wages taking orders for you, I agree to pay the express agent, as a guarantee of good faith, and to show I mean business, ONE DOLLAR and express charges, with the understanding the One Dollar is to be refunded to me as soon as my sales have amounted to \$25.00. If not found as represented and I am not perfectly satisfied I shall not take the outfit or pay one cent.

Sign your name on above line.

Name of Postoffice, County and State on above line.

Your age..... Nationality..... On above two lines give as reference the names of two men over 21 years of age who know you one year or longer.

Married or Single.....

Address your letter plainly to AMERICAN WOOLEN MILLS CO., Enterprise Building, CHICAGO, ILL.

To our Readers: This firm is thoroughly reliable, this offer is bonafide, honorable and liberal and a great opportunity for industry to get a steady and profitable employment.—Editor.)

fanatical; nothing at all of an iconoclast; he prefers always to build rather than to demolish. A wisely conservative policy may be expected from him in directing the affairs of the schools. In testing circumstances during the changes that came to the school system of Detroit in the past two years, Mr. McGregor has shown himself to be a gentleman.

Sheldon & Company have just issued a handsome Spelling and Language blank-book. It is in harmony with their Writing Series and should meet with a hearty sale. There are thirty-two pages in the book, and every open page contains the full alphabet. 48c. per doz.

TUITION.

Holyoke, Mass. The rates of tuition as fixed for the coming year are: grades above the seventh, \$40; below the seventh, \$30.

Lincoln, Neb. High school, \$3 a month, and the grammar schools, \$2 a month.

Omaha, Neb. A rule provides that non-resident pupils shall pay \$35 per annum at the high school, \$15 in the grammar and \$10 in primary grades.

Birmingham, Ala. The fact that the public schools are charging tuition is causing no small amount of complaint. Public meetings have been held urging that the schools be free.

Muskegon, Mich. The following tuition schedule per quarter has been fixed: Kindergarten, \$3; grammar school, \$4; high school, \$5; and the manual training school, \$6.

Vancouver, Wash. The board decided to waive the rule requiring non-resident pupils to pay tuition during the present year.

Wheeling, W. Va. The tuition to attend the high school was fixed at \$3.

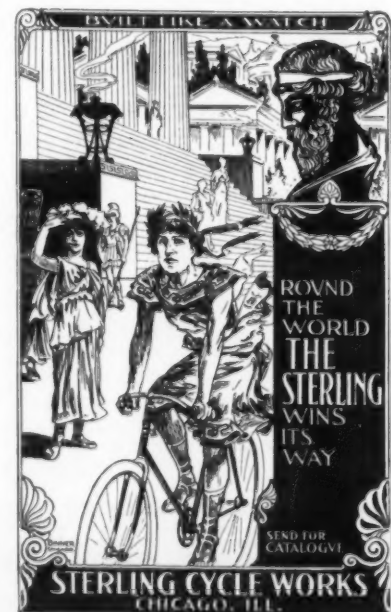
Pittston, Pa. The non-resident pupils are obliged to pay \$20 tuition.

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As mercury will surely destroy the sense of smell and completely derange the whole system when entering it through the mucous surfaces. Such articles should never be used except on prescriptions from reputable physicians, as the damage they will do is ten-fold to the good you can possibly derive from them. Hall's Catarrh Cure, manufactured by F. J. Cheney & Co., Toledo, Ohio, contains no mercury, and is taken internally, acting directly upon the blood and mucous surfaces of the system. In buying Hall's Catarrh Cure be sure and get the genuine. It is taken internally, and made in Toledo, Ohio, by F. J. Cheney & Co. Testimonials free. Sold by druggists, price 75c. per bottle.

Detroit, Mich. Tuition in the high school was fixed at \$25 a year.

Pittsburg, Pa. The tuition fee for non-resident scholars at the high school is \$100 a year.



NEW SCHOOL BUILDINGS.

Alva, Okla. T. Work on the new normal school will soon be commenced.

Memphis, Tenn. Contracts for erecting new high school awarded.

Houston, Tex. Architects Rue & Dunbar drew the plans for the new Rice school.

Milwaukee, Wis. A. C. Eschweiler, Goldsmith building, has prepared plans for the Downer college.

Depere, Wis. The erection of a new school is contemplated.

Neillsville, Wis. The board has decided to erect a modern high school.

San Diego, Cal. It is proposed to erect a new school building.

Carlyle, Ill. The erection of a new school is proposed.

Wolcottville, Ind. A new high school to be erected. Hiram Elder, architect, Marion, Ind.

Anderson, Ind. Plans have been accepted for a \$50,000 high school building.

Ft. Wayne, Ind. Architects M. J. Stock & Co. have prepared plans for a brick school house for Lafayette township.

Newmarket, Ind. A new \$10,000 school house.

Peru, Ind. A new 8-room school on the corner of Seventh and Main streets.

Ottumwa, Ia. Bids asked for the construction of a new high school.

Mondamin, Ia. A new 4-room school.

Malden, Mass. Architects Whitman & Hood, 62 Devonshire street, Boston, have completed plans for the new school building at Malden.

Northfield, Mass. A new school and gymnasium are to be erected.

Paxton, Mass. A new school building.

Ishpeming, Mich. The school authorities contemplate the erection of a new school.

Brandon, Minn. A new \$8,000 school. Write J. J. Levzinger, Jr. architect.

Rush City, Minn. The question of building a new school house is being discussed.

Dodge Center, Minn. The city has voted \$15,000 for a new school house to be erected at once. Plans adopted.

Hutchison, Minn. Plans for a new school adopted.

Sherburne, Minn. A new 6-room school house.

Trenton, N. J. The plans of architect F. S. Allen, Joliet, Ill., for a new high school building accepted. Cost, \$100,000.

Crawford, N. J. Bids for the erection of a new school have been asked for.

Eideswold, N. D. New school to be erected. Write Anton Wall, clerk.

Oakes, N. D. Write E. C. Andrus, clerk, regarding the erection of a new school house.

Carrington, N. D. It is contemplated to build a new school house.

St. Mary's N. D. A new school house.

Bartlett, N. D. New school to be erected.

Lordsburg, N. D. The erection of a new school house is proposed.

Columbus, O. A new high school. David Riebel, architect.

Hamilton, O. An 8-room addition to fifth ward school.

Cleveland, O. A new 18-room school building on Wade Park Ave.

Lansdale, Pa. Architect A. Couver, is preparing plans for a new \$20,000 school house.

Sellersville, Pa. An addition to school building.

Bradford, Pa. It is contemplated to erect a \$25,000 school building.

Renova, Pa. The board has plans under consideration for the enlargement of the seventh street school.

Wilkesburg, Pa. An addition and

improvements are being made to the third ward school.

Allegheny, P. A 2-story addition is being made to the thirteenth ward school.

Newport, R. I. Architect Creighton Withers is preparing plans for a school building for the city. To be 144.4 x 60. Cost, \$33,000.

Spokane, Wash. Architect L. L. Rand has drawn plans for a ward school. Cost, \$36,000.

Milwaukee. Architects H. C. Koch & Co., Pabst Bldg., have prepared plans for a high school building for the south side to be 225x80 ft. Cost, \$90,000.

River Falls, Wis. The board of normal school regents have accepted the plans of Architect Wm. Waters of Oshkosh, Wis., for a three story normal school building at River Falls.

Leopolis, Wis. A two story frame school.

Beloit, Wis. A new school on Liberty St. Write to F. S. Allen, the school house architect, Joliet, Ill.

St. Cloud, Minn. A new 8-room school is to be erected.

Scranton, Pa. Plans for a 12-room school have been prepared by architect John A. Duckworth, Coal Exchange Building. Cost, \$40,000.

Winona, Minn. It has been decided to erect an addition to the Jefferson school.

Washington, Ga. Plans for a new school have been prepared.

Farbault, Minn. Architect Olof Hanson is preparing plans for a 6-room school house for the city.

Chicago. An addition is being made to Lafayette school. Write business manager of the board of education, 1110 Schiller building.

Milwaukee, Wis. Architects Voigt & Leenhouts make a specialty of school houses.

Racine, Wis. The new third ward school is nearing completion.

Lancaster, Pa. The Franklin & Marshall College contemplate erecting a new and large building to be used as a science building.

Bluffton, O. A new \$5,000 school to be erected. Secretaries of school boards will kindly send us all information regarding new school buildings in contemplation, or in course of construction.—[ED. SCHOOL BOARD JOURNAL.

W. G. HAY, PRES. ALFRED O. DUNK, TREAS.

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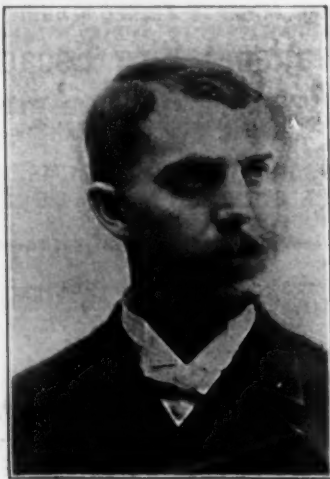
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The appointment is announced of Frank M. Murry, Ph. D., hitherto the Dean of the School of Pedagogy of the University of Buffalo, to the Chair of Theory and Practice of Teaching at the Teachers' College of New York, recently incorporated in the educational system of Columbia university.

Springfield, O. Ordered a supply of the Holden Self Binders for mending broken bindings and loosened leaves, and the Holden Transparent Paper for mending torn leaves without destroying the legibility of the printing. An outfit is placed on every teacher's desk, and a large saving is effected from this means.

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This problem has repeatedly been declared by teachers and teachers' institutes impossible of solution by any clearly expressed form of arithmetic, and only an algebraic example.

Some years ago I put it in "Craig's Common School Question Book," and teachers from almost every State in the Union wrote to me for a solution, which I could not give. During the summer of 1894 while, Profs. Schuster, Hodges and Kilpatrick were holding a summer school at Oconomowoc, Wis., I was invited to be present at various times. One day, while hearing a class in arithmetic, this example was presented to me for solution. As I was superintendent of schools at the time I was somewhat embarrassed by not being able to comply, but was relieved by the united statement of the professors that it was one of the impossibilities.

I went home determined to give it one more try. I did try. I got a principle evolved and sat up until 4 o'clock in the morning to get it out. The next night I discovered a simple process of demonstration, and I can assure you that the problem can be solved and explained without any knowledge of algebra.

I now offer you an opportunity to test your mental powers. If there is any point you do not fully understand write me and I will try to make it plain; but, my dear teacher, do not forget a stamp, as replies would be expensive to me. Again I assure you the problem is all right, and is easy of solution if you tap it in the right place. It is not a catch in any way, but just as I have explained. Give it to your advanced pupils. It will be good practice, even if they fail to get satisfaction by their own efforts. When you get the solution copy it somewhere, for it is easily lost. Very respectfully,

P. S.—Send solution if you will.

David M. Geeting, state superintendent of public instruction, of Indiana, has prepared a valuable and interesting history of the Indiana school system. He shows the progress of the schools of the state from a mechanical, listless, careless, irregular manner of working, that never accomplished any definite results, to that prompt, energetic, business-like method of taking up a task or line of work and fully completing it.

Island Falls, Me.
Adopted the Holden
System for Preserving
Books, for the protec-
tion of both the inside
and outside of their
text books.

Nebraska. The supreme court has decided that school funds cannot be deposited in banks nor invested in state warrants.

Pennsylvania. The last annual report of the State Superintendent of Public Instruction shows the average cost of tuition for pupils, outside of Philadelphia where it was \$2.26, to be \$1.22.

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SCHOOL-BOOKS.

Directory

COLLEGE-BOOKS.

For the convenience of school officials contemplating or considering adoptions, this list has been carefully prepared. It represents the modern and progressive School and college text books of the day, adopted by the leading Boards of Education in the United States, and recognized by the best educational authorities.

- Algebra.**
Brooke's Algebra.....C. S. Co.
Sanford's Elementary.....U. P. Co.
Nicholson's....." "
Venable's Easy....." "
Venable's High School....." "
Collins' Text Book.....S. F. & Co.
Loomis....." "
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Ray's Series....." "
Robinson's Series....." "
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Bradbury's & Emery's....." "
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Lilly's Higher Algebra.....S. B. & Co.
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for Schools and Col....." "
Hall & Knight's Higher....." "
Smith-Stringham's Ele....." "
Smith's Treatise on....." "
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- Arithmetics.**
Brook's New Arith.....C. S. Co.
Mental....." "
Brown's.....The W. S. B. Co.
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White's Series.....A. B. Co.
Robinson's Series....." "
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Milne's E and St....." "
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Thompson's First Lesson's.....M. M. & Co.
Complete....." "
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Sheldon's Elementary Series.....S. & Co.
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Kiddle's New Element....." "
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Steele's Popular....." "
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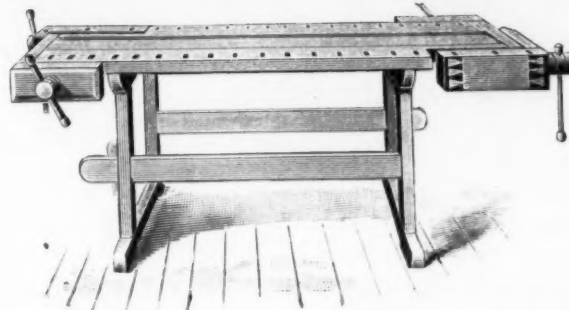
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